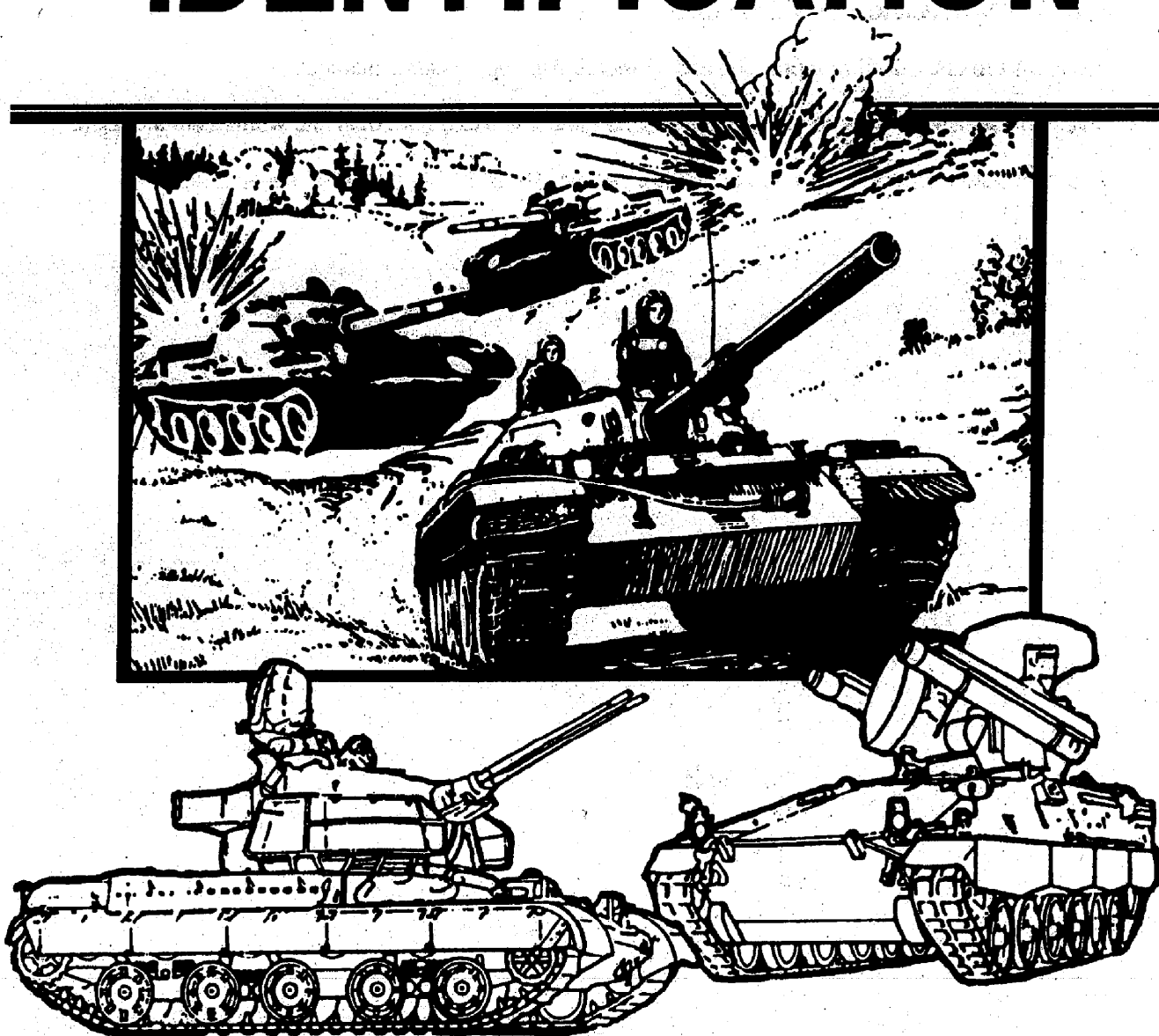


**FORT KNOX
SUPPLEMENTAL
MATERIAL**

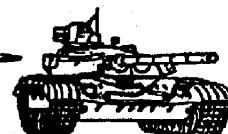
FKSM 17-224

ARMOR FIGHTING VEHICLE IDENTIFICATION



**US ARMY ARMOR CENTER
FORT KNOX, KENTUCKY 40121-5000
MAR 1991**

WEAPONS DEPARTMENT



USER'S COMMENTS

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Unless otherwise stated, whenever the masculine gender is used, both men and women are included.

This publication supersedes Armored Fighting Vehicle, FKSM 17-224 dated Setember 1988.

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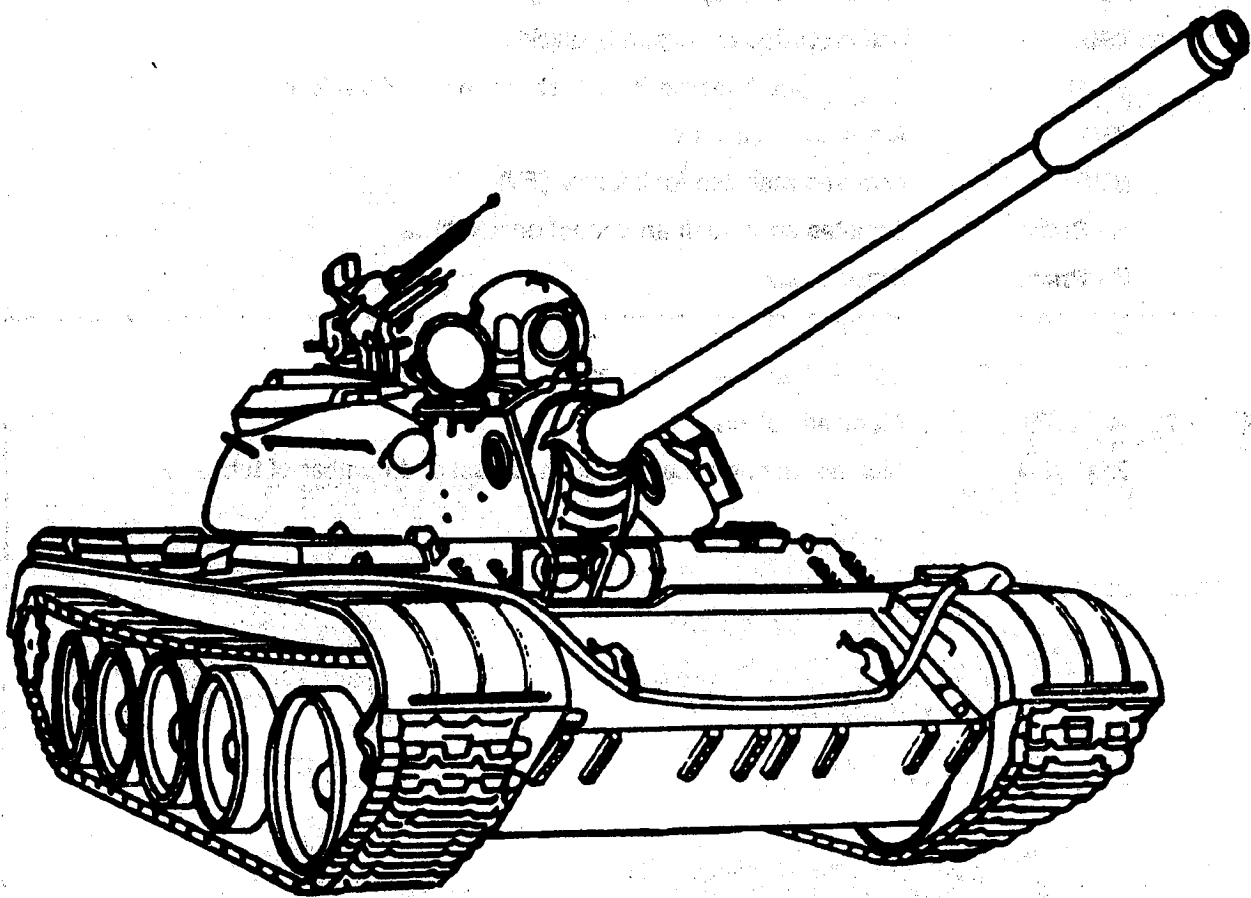
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RUSSIAN DESIGNATIONS

KV	Tank series named after Klim Voroshilov
JS	Tank series named after Joseph Stalin
T	Normally used to designate main battle tanks
T-55	The number used for main battle tanks is a one up numbering system
PT	Amphibious tank
SU	Self propelled mount for assault guns
ASU	Airborne self propelled assault guns
ZSU	Self propelled anti-aircraft vehicles
BRDM	Amphibious Armored Reconnaissance Patrol Vehicles
BTR	Armored Transporter
BMP	Armored machine for Infantry (IFV)
A - Suffix	Denotes antiaircraft armament on a vehicle
P - Prefix	Amphibious
U - Suffix	Command Vehicle
P or K - Suffix	Vehicle has overhead armor
M - Suffix	Modified vehicle
ZSU-23-4	Number denotes the size of armament and number of tubes



T-54/T55 RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track, gap between #1 and #2 roadwheels.
- Front of hull wedge shaped. Exhaust port on left side of hull at the rear.
- Dome shaped turret.
- Forward cargo rails on turret are straight, rear ones are curved.
- Oblong-shaped telescope port to left of main gun.
- 100mm main gun. Bore evacuator at end of tube if present.
- Effective range of main armament is 1500 meters.

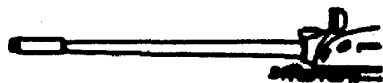
T-54/T-55 FLANK



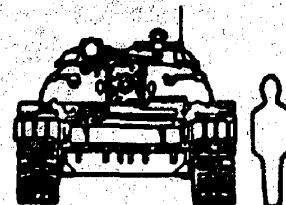
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TUBE



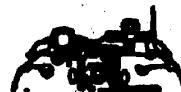
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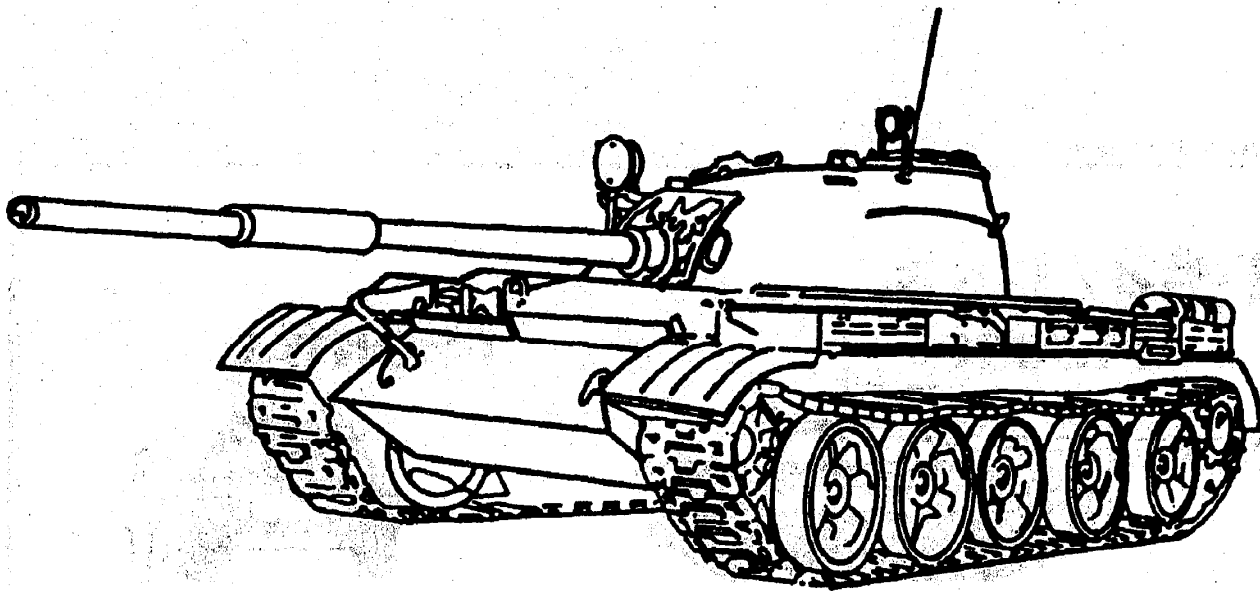


TURRET



SEARCHLIGHT MACHINE GUN



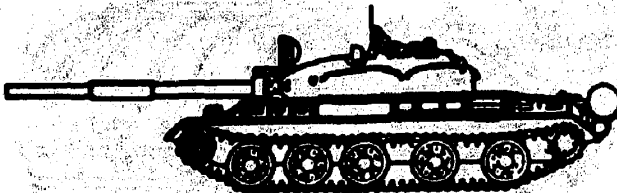


T-62 RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track, gap between #3, #4, and #5 roadwheels.
- Front of hull wedge shaped. Exhaust port on left side of hull at the rear.
- Egg shaped turret.
- Cargo rails on turret are curved and bowed out from turret.
- Round telescope port to left of main gun.
- 115mm main gun (smoothbore). Bore evacuator 1/3 from end of tube.
- Effective range of main armament is 1600 meters.

T-62

FLANK



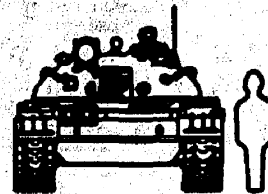
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TUBE



FRONTAL

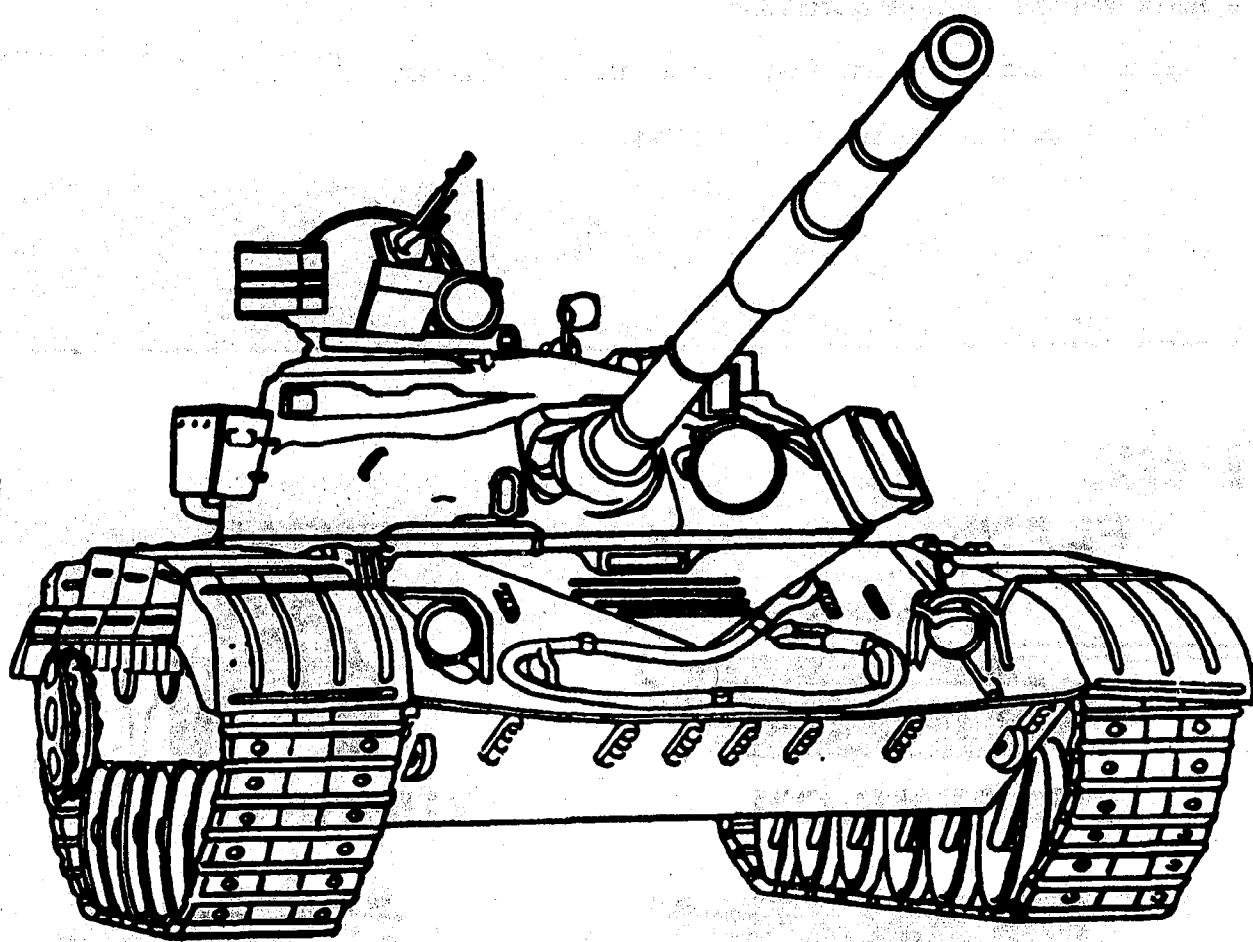


TURRET



SEARCHLIGHT



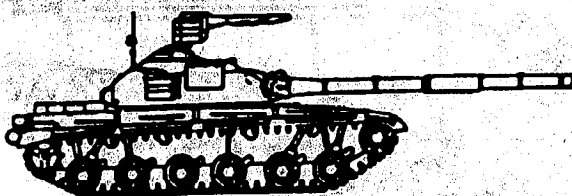


T-64 RECOGNITION FEATURES/CHARACTERISTICS

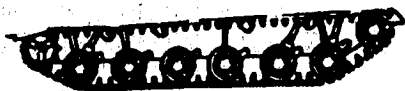
- Supported track (4 support rollers), 6 small, pressed, evenly spaced roadwheels.
- Sharply sloped upper glacis with V-shaped splash guard.
- Driver centered.
- Exhaust vented out rear of vehicle.
- Rounded turret with no overhang.
- Searchlight low and left of main gun. Three equal-sized stowage boxes on left side of turret. TC's position on right. Snorkel assembly stored on rear of turret. Large stowage boxes on turret sides. Anti-aircraft weapon at TC's position.
- 125mm main gun (smoothbore). Bore evacuator and thermal shroud present.
- Effective range of main armament is 2000 meters.

T-64

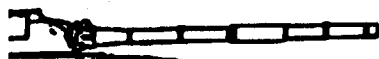
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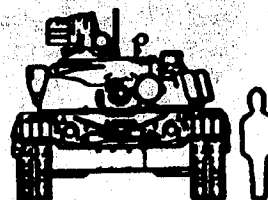
SUSPENSION



TUBE



FRONTAL

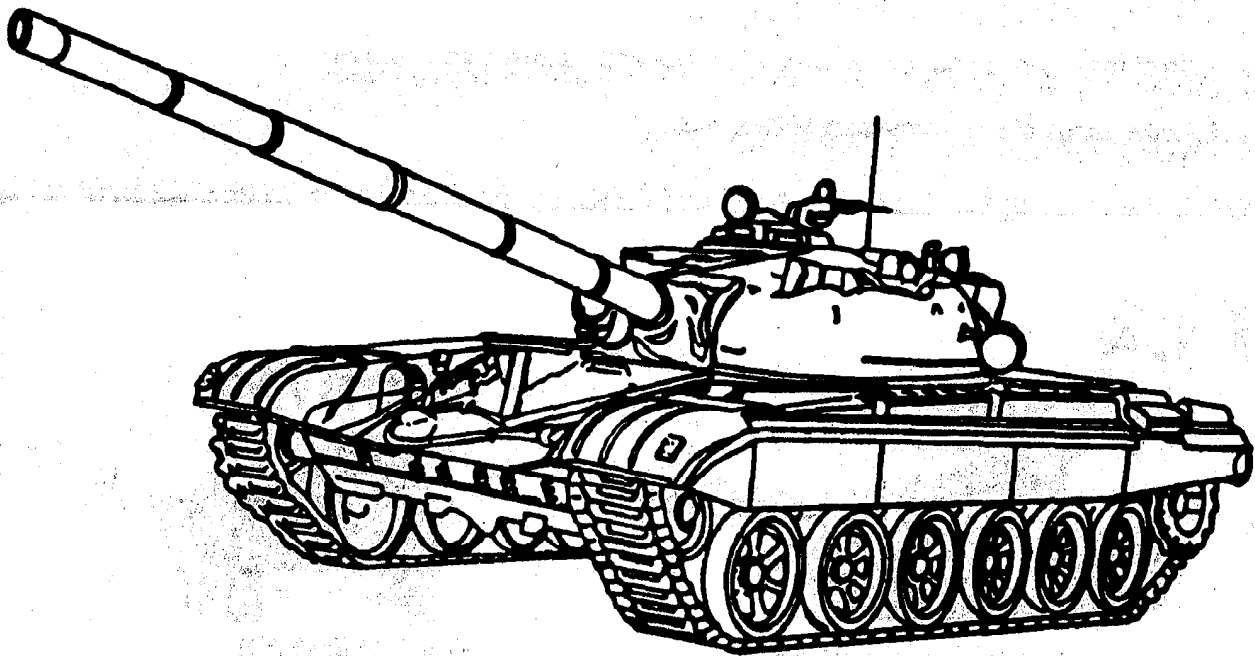


TURRET



SEARCHLIGHT MACHINE GUN



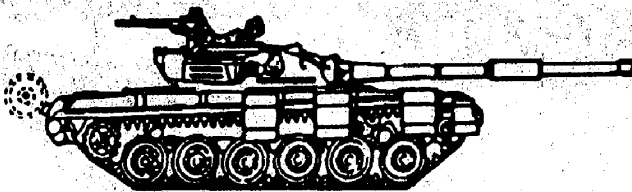


T-72 RECOGNITION FEATURES/CHARACTERISTICS

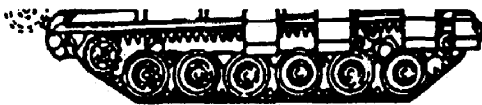
- Supported track (3 support rollers). May have side skirts or panels.
- Six large forged roadwheels.
- Sharply sloped upper glacis with V-shaped splash guard.
- Exhaust port over last roadwheel on left side of hull.
- Driver centered.
- Snorkel low on left rear of turret. No turret overhang. TC on right. Two angular boxes on right and rear of turret. Anti-aircraft weapon at TC position. Searchlight to right of main gun.
- Smoke dischargers may be mounted on turret.
- 125mm main gun (smoothbore). Bore evacuator and thermal shroud present.
- Effective range of main armament is 2000 meters.

T-72

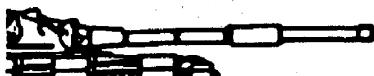
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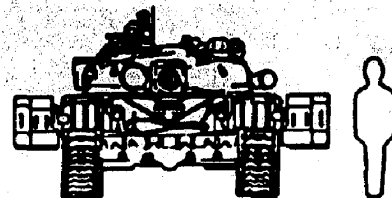
SUSPENSION



TUBE



FRONTAL

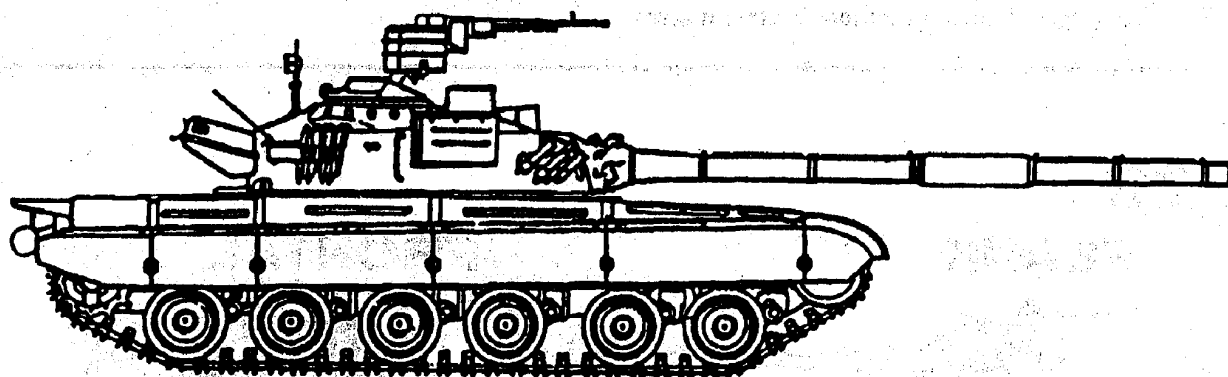


TURRET



SEARCHLIGHT MACHINE GUN

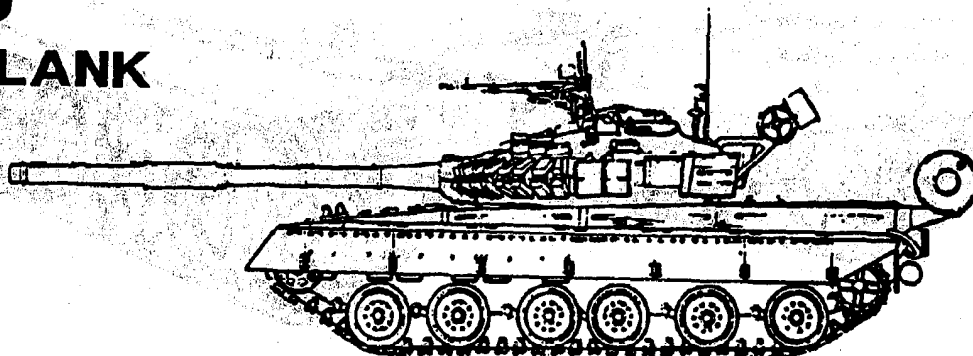




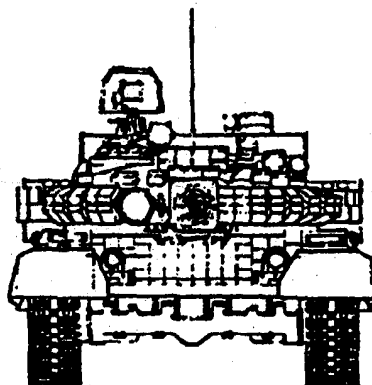
T-80 RECOGNITION FEATURES/CHARACTERISTICS

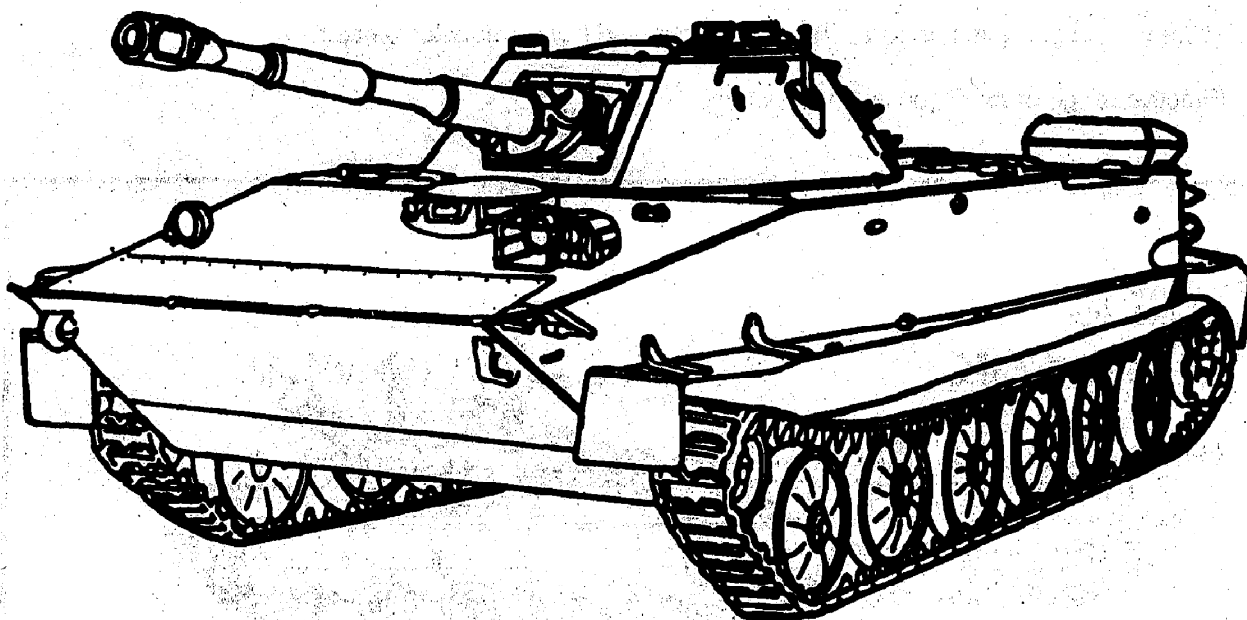
- Supported track. Side skirts.
- Roadwheels grouped in pairs of two.
- May have reactive armor on hull and turret.
- Two square ammunition stowage boxes on left side of turret.
- Searchlight to right of main gun.
- Anti-aircraft weapon at TC position.
- Turret similar in appearance to T-64.
- 125mm main gun (smoothbore). Thermal shroud and bore evacuator present.
- Effective range of main gun is 2,400 meters.

T-80
FLANK



FRONTAL



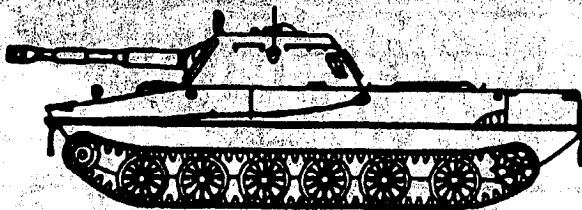


PT-76 RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track, 6 pressed (stamped) roadwheels.
- Boat shaped hull. Rear deck flat.
- Fenders look like running boards on both sides of hull. Two hydrojet ports in rear for amphibious operations.
- Cone shaped, flat top turret placed forward of center line of vehicle. Oblong shaped telescope port to left of main gun. Ventilator centered in rear of turret.
- 76mm main gun. Bore evacuator near muzzle end of gun tube with double baffled muzzle brake present.
- Effective range of main armament is 650 meters.

PT-76

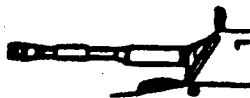
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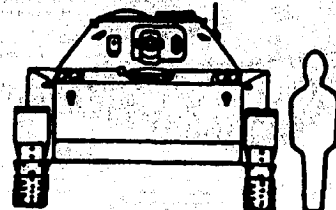
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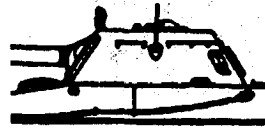
TUBE



FRONTAL

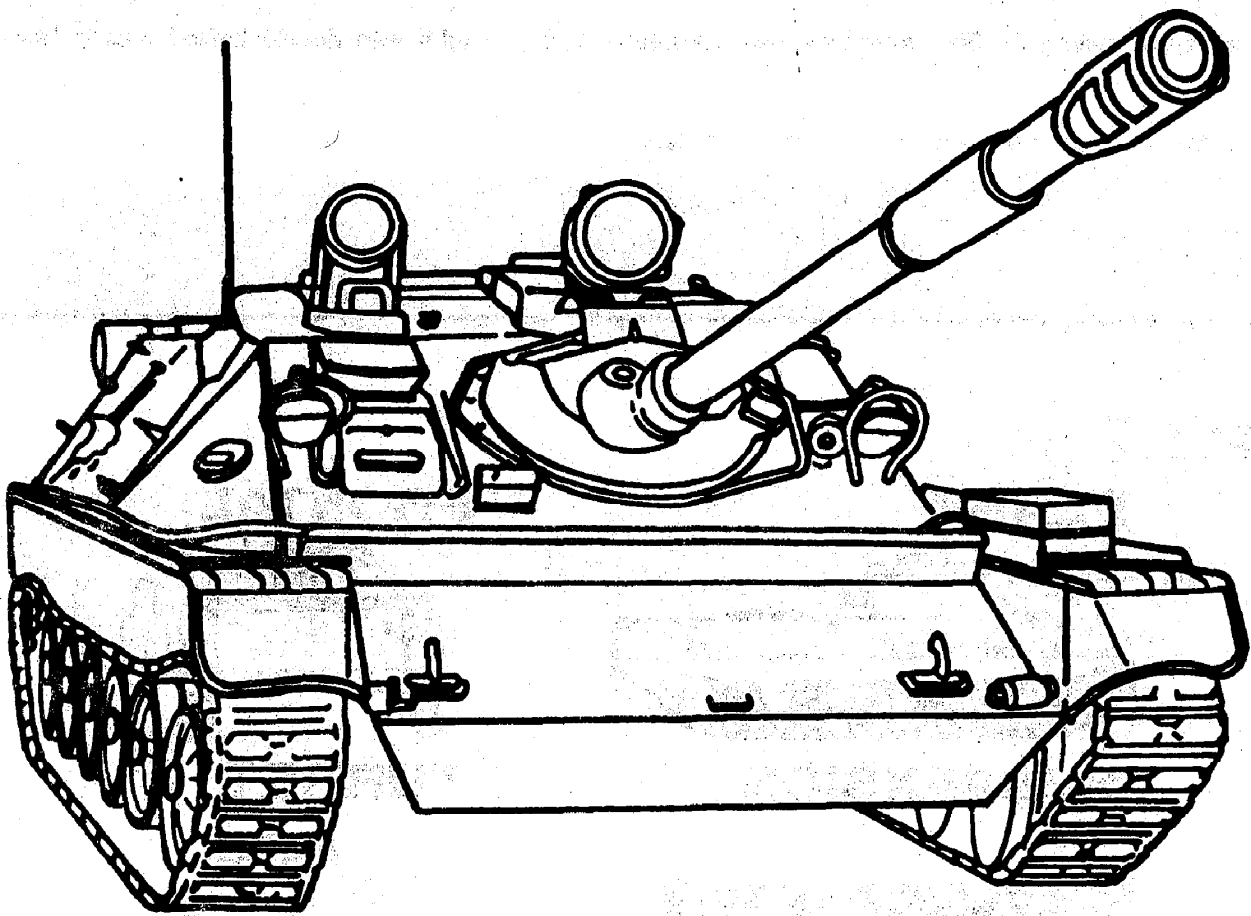


TURRET



SEARCHLIGHT MACHINE GUN

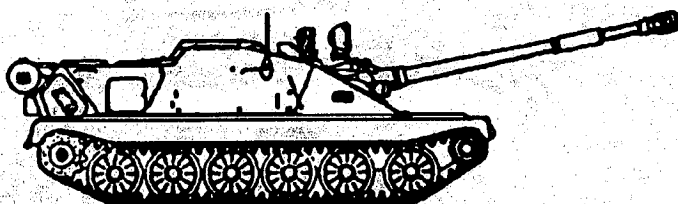




ASU-85 RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track, with six pressed roadwheels. Space between #1 and #2 roadwheels.
- Sloped front. Splash board present.
- Driver on right side of main gun. Gunner on left side of main gun. Box on front left fender.
- No turret; searchlight centered on top of cannon.
- 85mm muzzle brake present.
- Effective range of main armament is 1000 meters.

ASU-85 FLANK



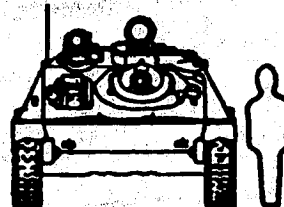
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TUBE



FRONTAL

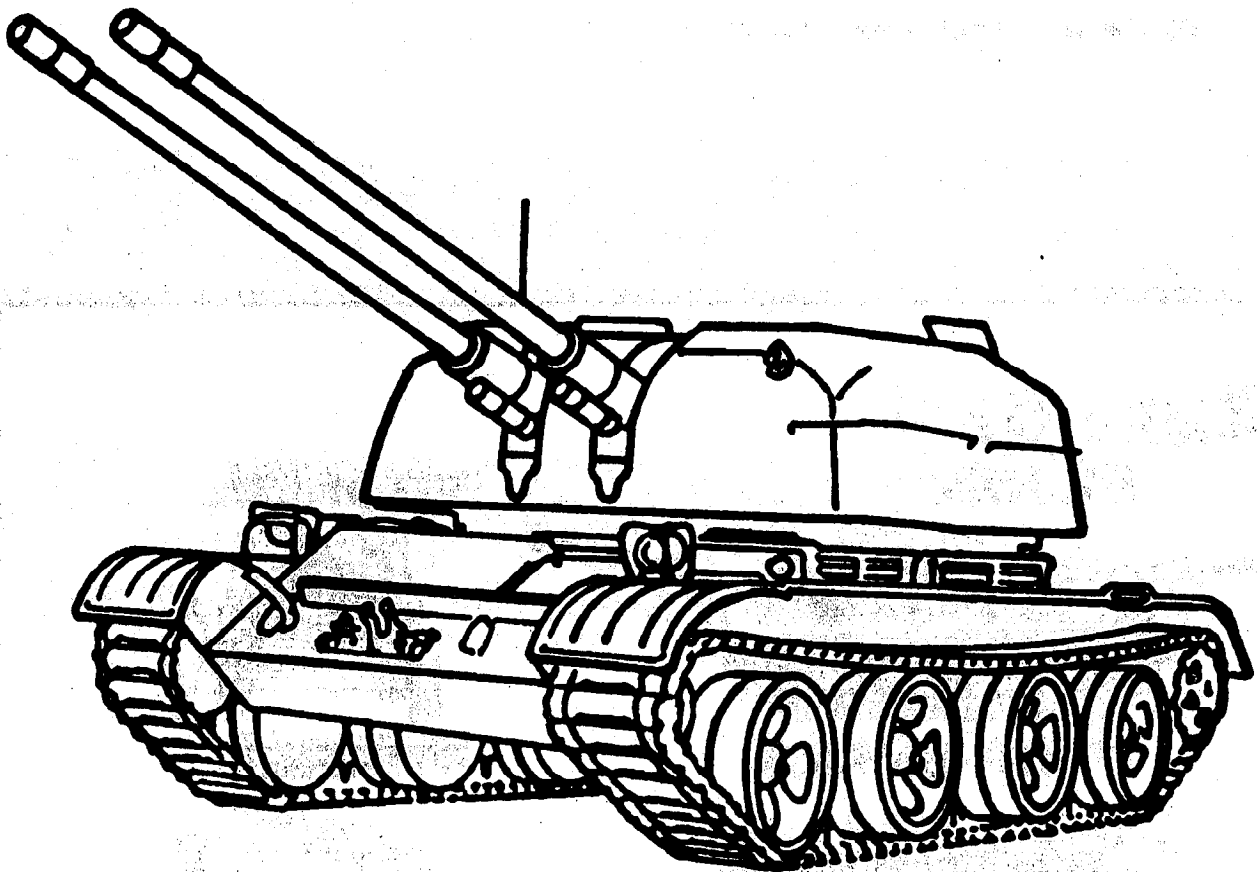


TURRET

N/A

SEARCHLIGHT

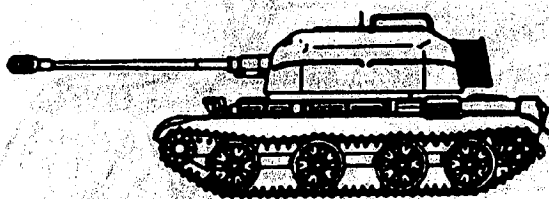




ZSU-57-2 RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track. Modified T-54/T-55 hull with 4 roadwheels per side.
- Large, square turret with open top. Cargo rails straight and centered on side of turret. Hand hold rails at top of rear of turret. Large casing catch basket at rear of turret.
- Twin 57mm guns. Very long compared to size of vehicle.
- Effective range of main armament is 4000 meters.

ZSU 57-2 FLANK



SUSPENSION



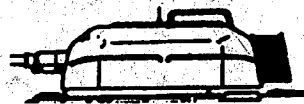
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FRONTAL

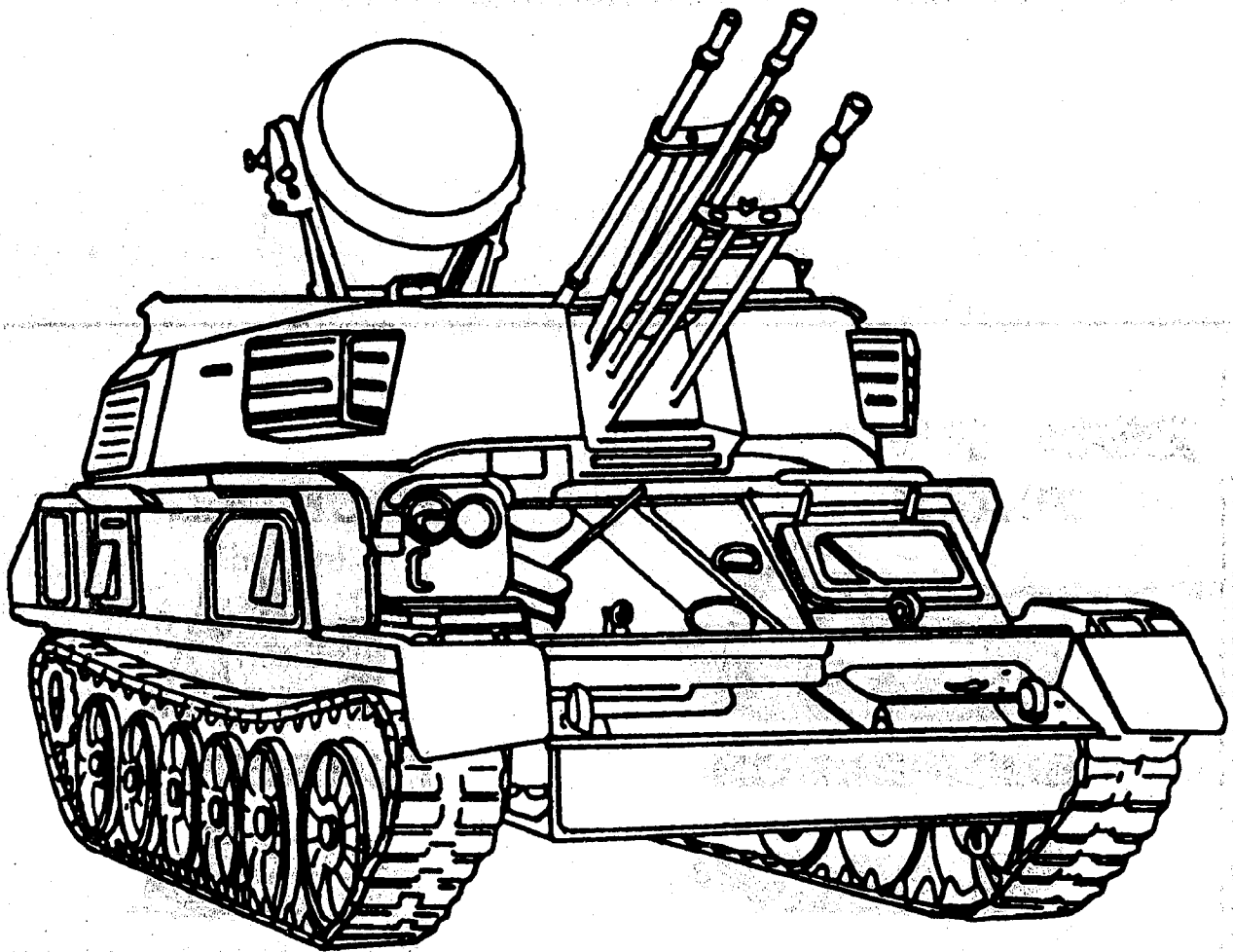


TURRET



SEARCHLIGHT MACHINE GUN



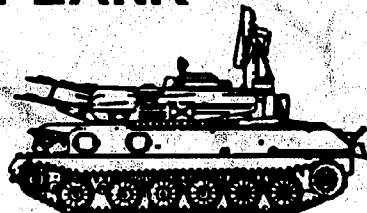


ZSU-23-4 RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track. Six pressed roadwheels.
- Box shaped hull. Driver on left. Large drivers hatch.
- Flat turret. TC on left. Circular radar dish at rear of turret centered on 23mm cannons.
- Four 23mm cannons mounted forward in center of turret.
- Effective range of main armament is 2500 meters. (Tactical Anti-Aircraft range.)

ZSU 23-4

FLANK



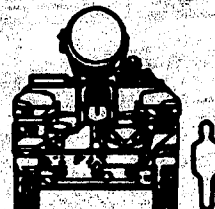
SUSPENSION



TUBE



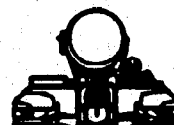
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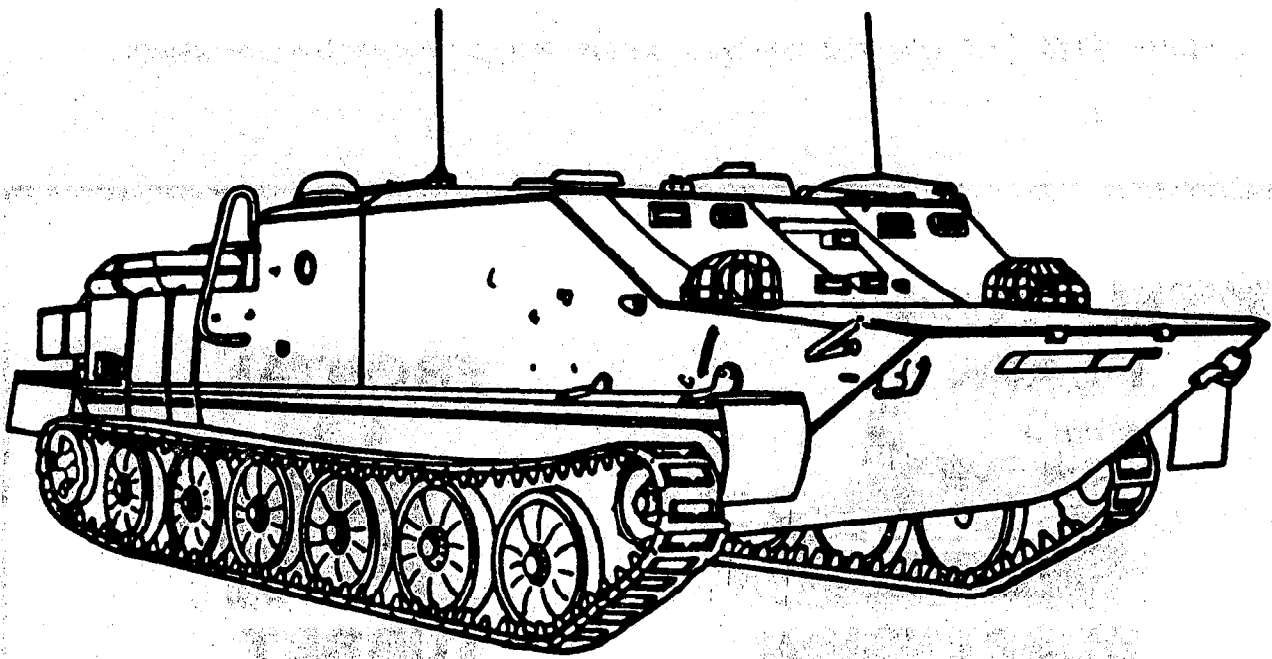


TURRET



SEARCHLIGHT MACHINE GUN

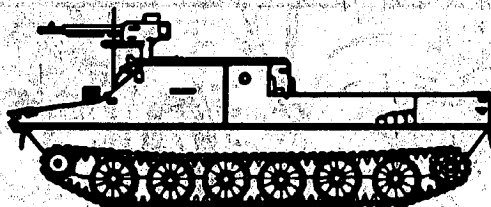




BTR-50PK RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track. Six pressed roadwheels.
- Hull is wedge shaped at front.
- Projecting bay at left front of crew compartment for TC.
- Vehicle resembles PT-76 without a turret.
- Armored top, driver in center of hull.
- Lowered, flat rear deck.
- 12.7mm (AA) anti-aircraft machine gun can be mounted above drivers position.
- Variant - OT-62 (Czech) has projecting bay on both left and right front of crew compartment.

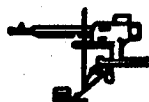
BTR 50 PK FLANK



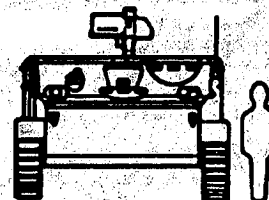
SUSPENSION



TUBE



FRONTAL

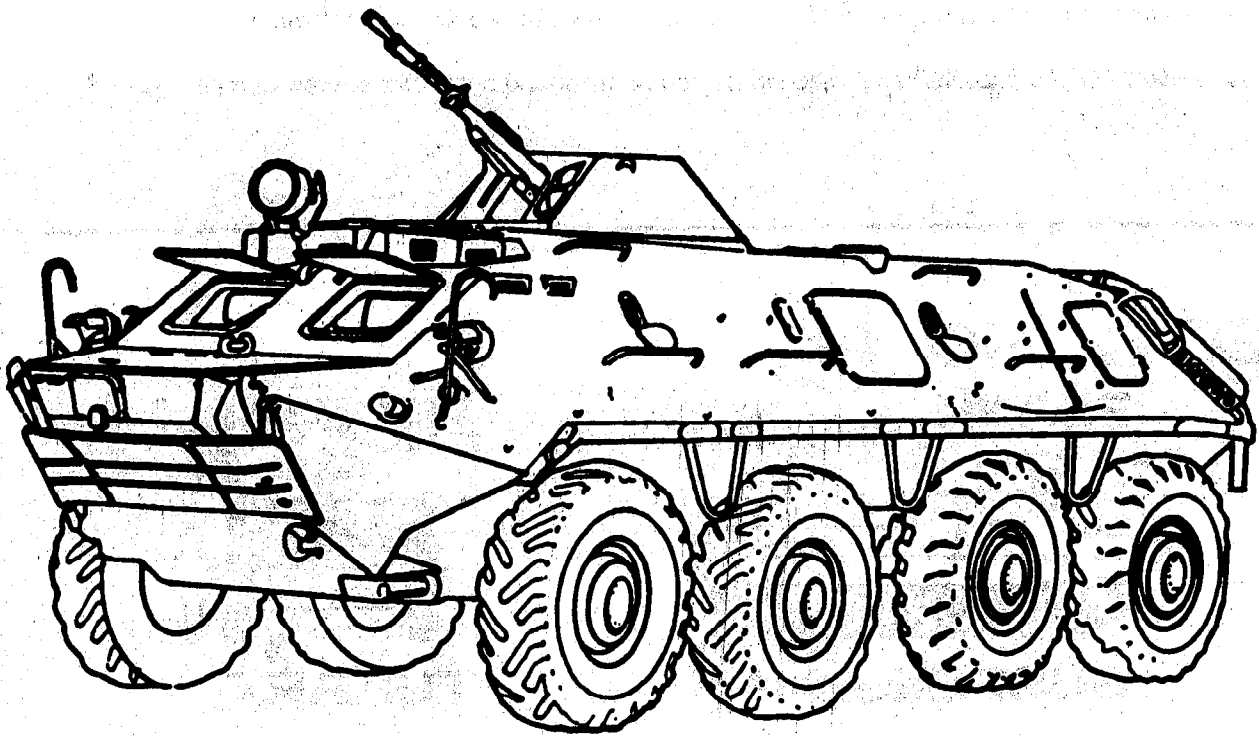


TURRET

N/A

SEARCHLIGHT MACHINE GUN

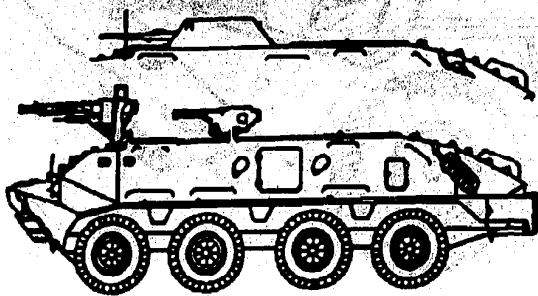




BTR-60PB RECOGNITION FEATURES/CHARACTERISTICS

- Eight evenly-spaced mud tires. Four per side.
- Boat-shaped hull. Sloping sides. Metal steps between wheels. Mufflers on both sides at rear of vehicle. Amphibious with large hydrojet port at rear of vehicle, split port covers over hydrojet.
- Cone shaped, flat-top turret.
- 14.5mm machine gun.
- Effective range of main armament is 2000 meters.

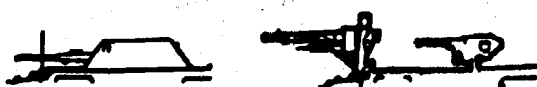
BTR 60 PB FLANK



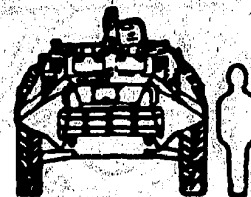
SUSPENSION



TUBE



FRONTAL

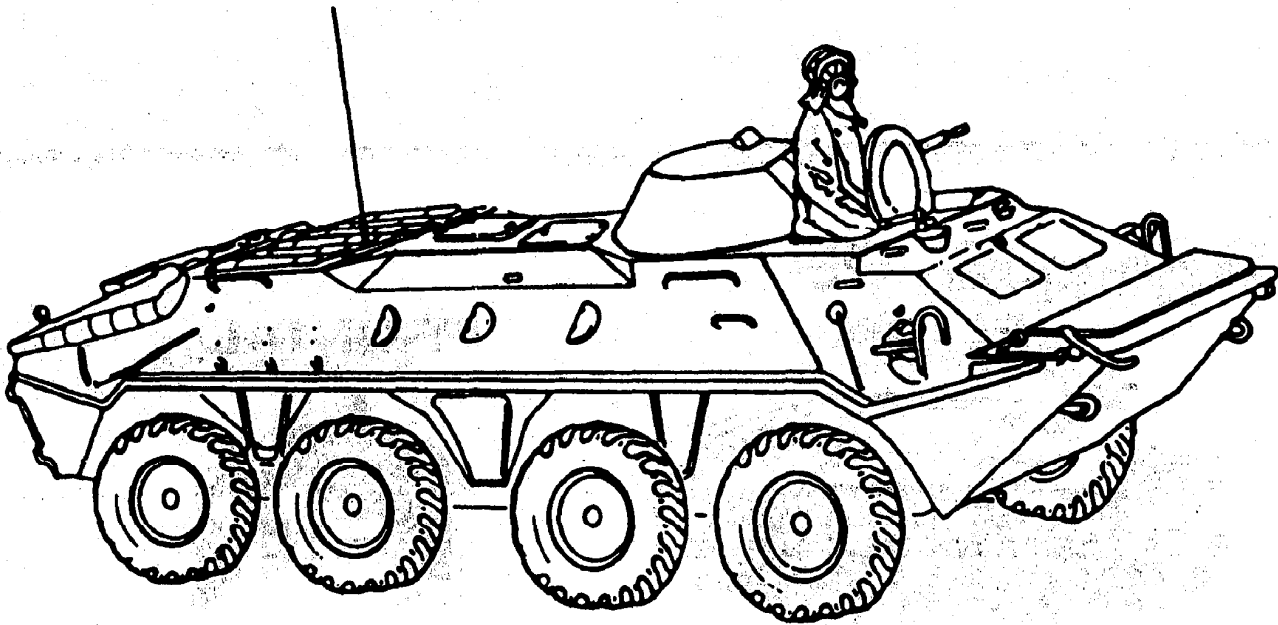


TURRET



MACHINE GUN

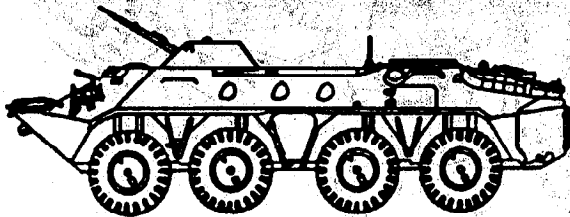




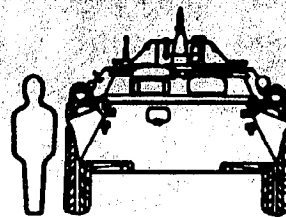
BTR-70 RECOGNITION FEATURES/CHARACTERISTICS

- Eight large wheels, 4 per side, with a gap and access door between #2 and #3 wheels.
- Boat-shaped hull similar to BTR 60 series vehicles.
- Cone shaped, flat-top turret.
- 14.5mm machine gun.
- Effective range of main armament is 2000 meters.
- No grenade launchers behind turret..

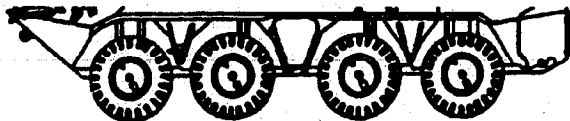
**BTR-70
FLANK**



FRONTAL

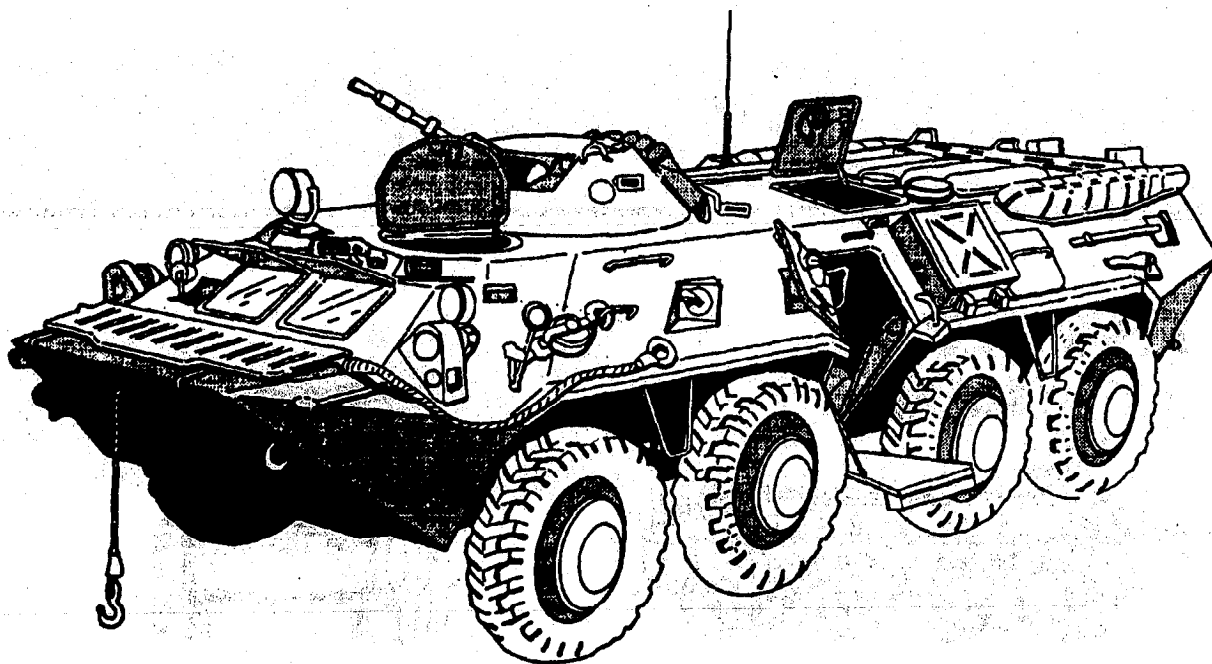


SUSPENSION



TURRET

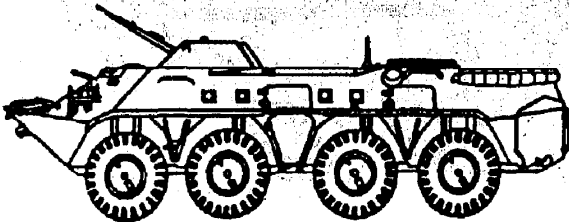




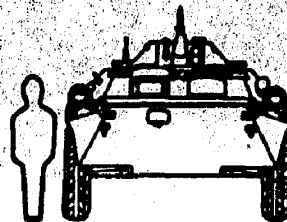
BTR-80 RECOGNITION FEATURES/CHARACTERISTICS

- Eight large wheels, 4 per side, with a gap and access door between #2 and #3 wheels.
- Boat-shaped hull similar to BTR 70 series vehicles.
- Cone shaped, flat-top turret, raised rear deck.
- 14.5mm machine gun.
- Effective range of main armament is 2000 meters.
- Six grenade launchers on rear turret..

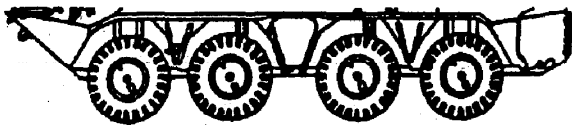
**BTR-80
FLANK**



FRONTAL

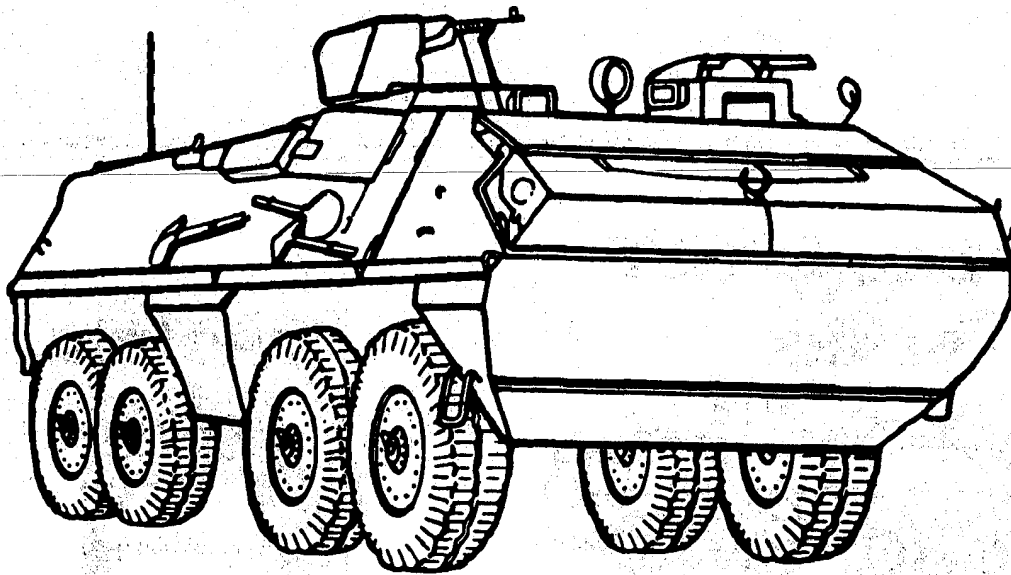


SUSPENSION



TURRET

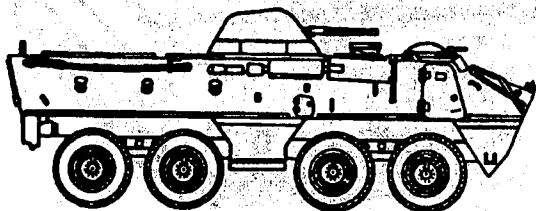




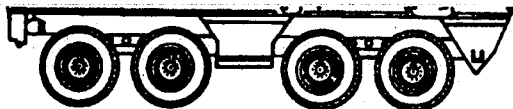
OT-64 SKOT RECOGNITION FEATURES/CHARACTERISTICS

- Eight large mud tires; 4 per side. Gap between the second and third wheels with hull protruding to edge of tires.
- Troop access doors located on top and in rear.
- Small turret centered on hull supporting a 14.5mm machinegun (most vehicles). Older models may have "crow's nest" mounting 12.7mm machinegun.
- V shaped bow with splash guard stowed on upper slope.
- Sloped upper hull with muffler and exhaust located center near the top.

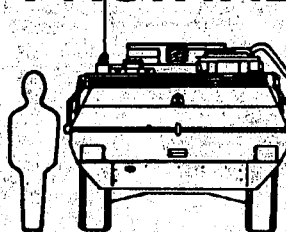
OT-64 SKOT FLANK



SUSPENSION

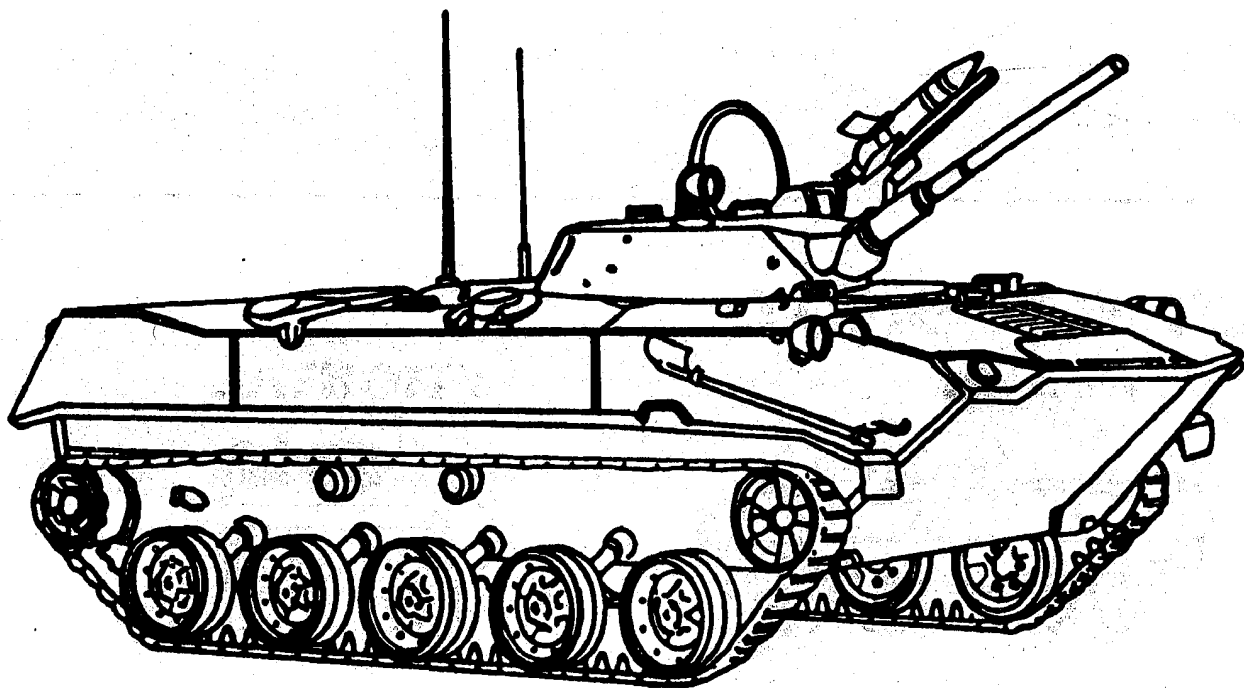


FRONTAL



TURRET MACHINE GUN



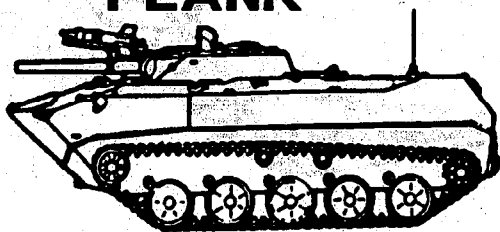


BMD RECOGNITION FEATURES/CHARACTERISTICS

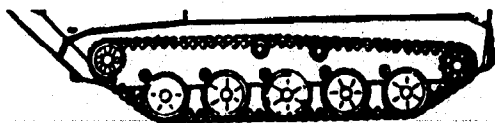
- Supported track, 5 roadwheels, 4 support rollers.
- Boat-shaped hull with pointed bow. Airborne Insignia. Amphibious, two hydrojet ports in rear. Twin 7.62mm bow mounted machine guns.
- Cone-shaped, flat-top turret mounted forward of center line of vehicle.
- 73mm gun/sagger missile.
- Effective range of main armament is 800 meters. Sagger range is 3000 meters.

BMD

FLANK



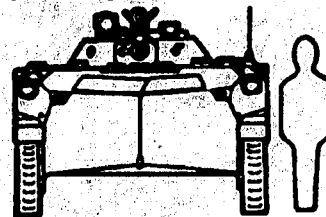
SUSPENSION



TUBE



FRONTAL

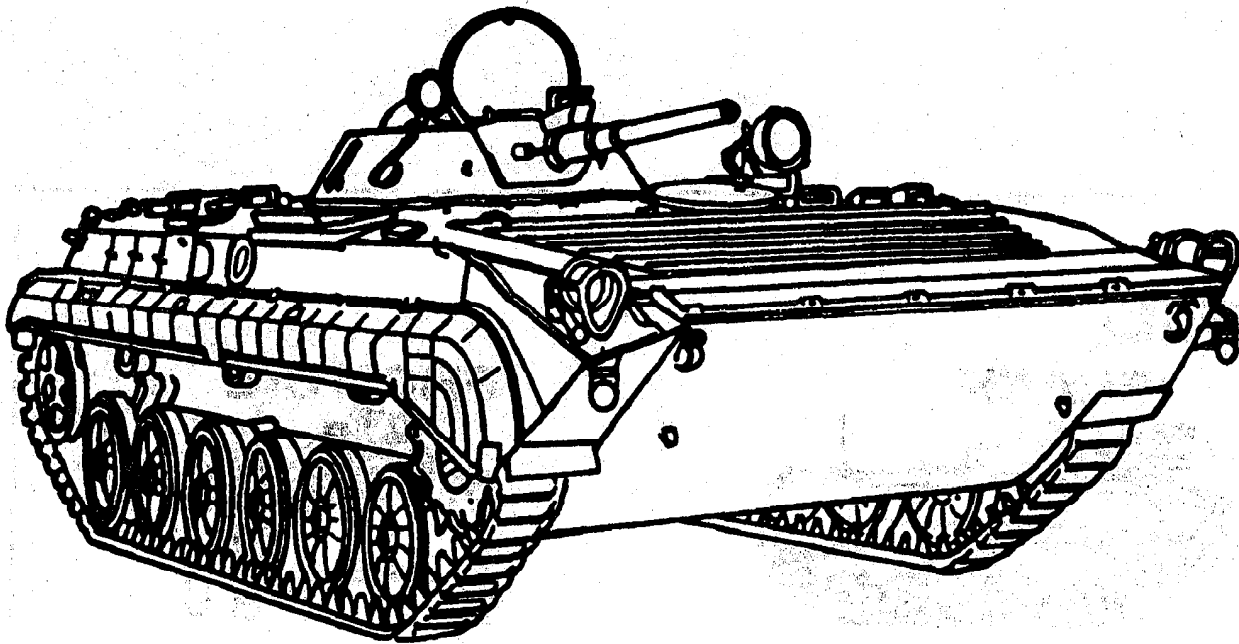


TURRET



SEARCHLIGHT



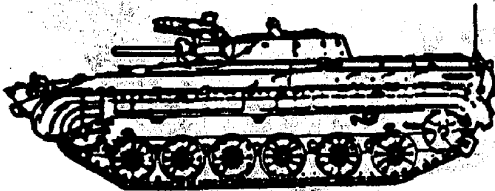


BMP I RECOGNITION FEATURES/CHARACTERISTICS

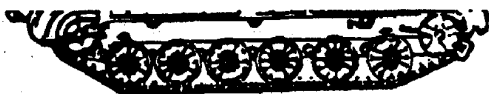
- Supported track, 6 roadwheels, 3 support rollers. Track shrouds cover upper portion of track.
- Boat-shaped hull. Prominent exhaust port on front right. TC to left rear of driver. Four rifle ports on each side. Two doors at rear for entrance/exit of troops.
- Cone shaped, flat-top turret mounted in the center of hull.
- 73mm cannon/sagger missile. Missile/launch rail above main gun.
- Effective range of cannon is 800 meters. Range of sagger is 3000 meters.

BMPI

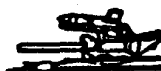
FLANK



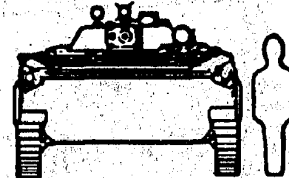
SUSPENSION



TUBE



FRONTAL

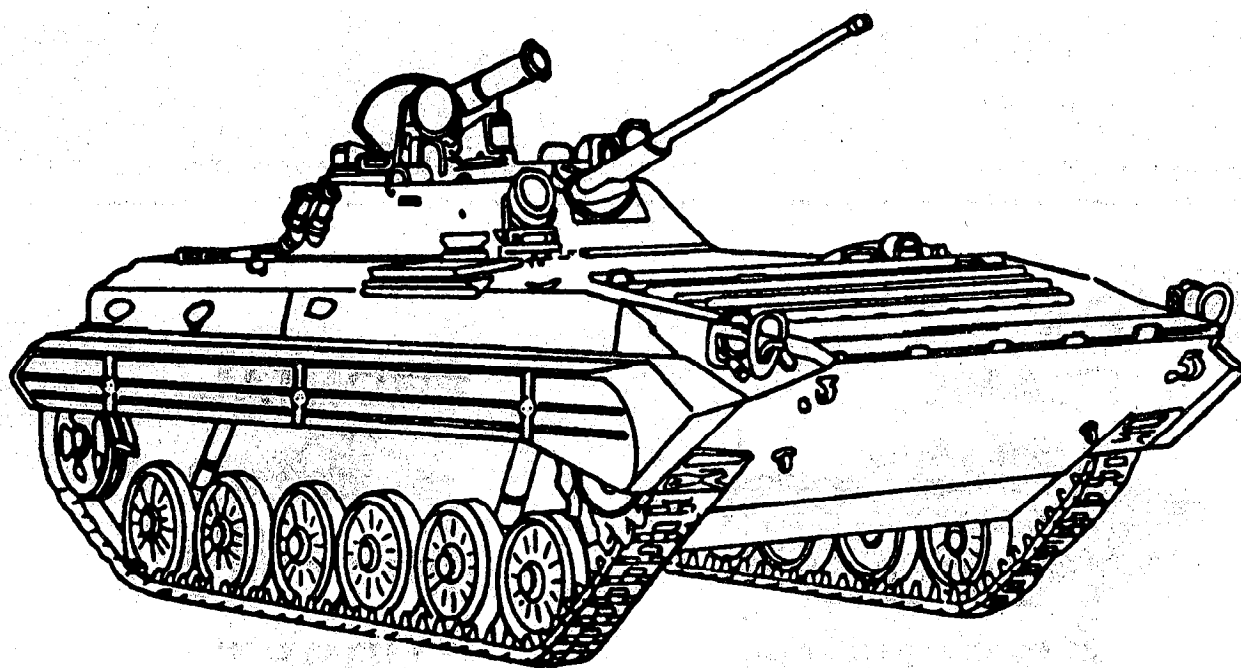


TURRET



SEARCHLIGHT



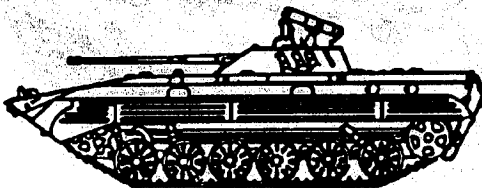


BMP II RECOGNITION FEATURES/CHARACTERISTICS

- Supported track. Six roadwheels. Large track shrouds.
- Outward appearance similar to older BMP models. Top rear deck hatches reduced from 4 to 2. Trim board fitted to front of vehicle for use during amphibious operations.
- Large, 2 man turret with 3 single-tube grenade launchers on each side. TC in turret. Spandrel missile centered on turret.
- 30mm cannon/AT5 Spandrel missile system. (Maximum range AT5 4,000 meters.)

BMP II

FLANK



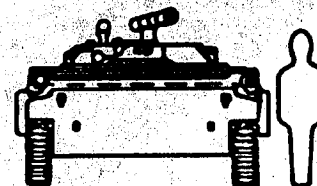
SUSPENSION



TUBE



FRONTAL

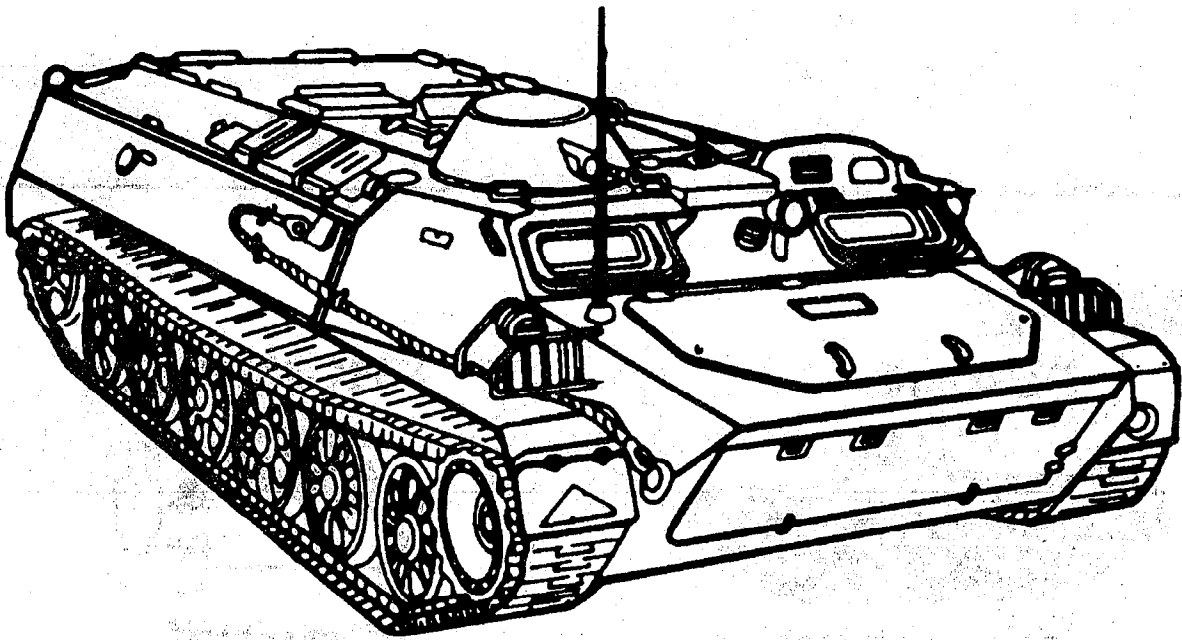


TURRET



SEARCHLIGHT



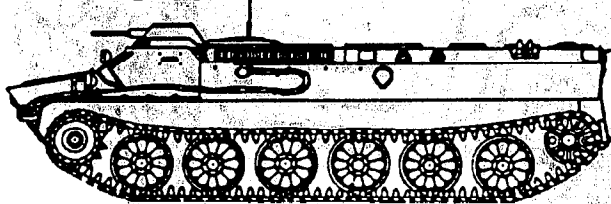


MT-LB RECOGNITION FEATURES/CHARACTERISTICS

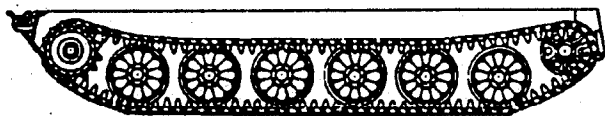
- Non-supported track with 6 pressed roadwheels.
- Boat shaped hull. Top of hull has double angle sloping to a flat roof.
- Access doors located on roof of hull and at rear.
- Small turret located on front right of hull mounts 7.62mm machinegun. (Infantry version).

MT-LB

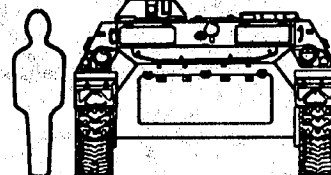
FLANK



SUSPENSION



FRONTAL

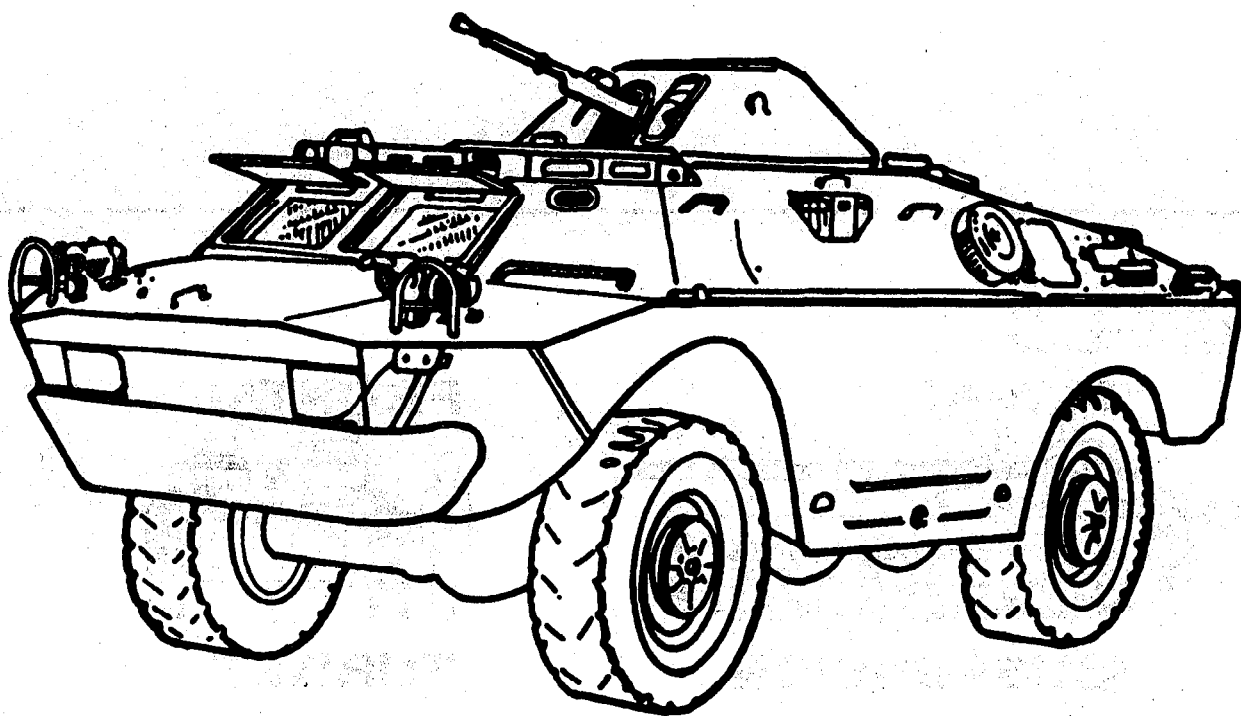


TURRET



MACHINE GUN



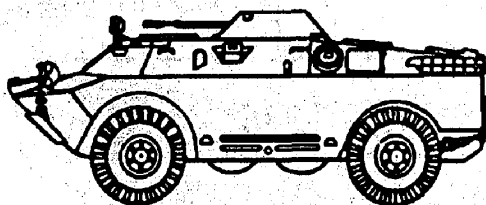


BRDM-2 RECOGNITION FEATURES/CHARACTERISTICS

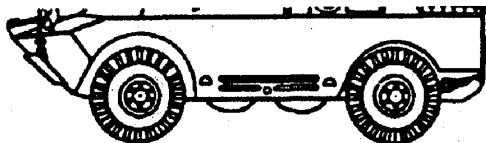
- Four wheels, 2 per side, with 4 retractable belly wheels.
- Boat-shaped hull. Amphibious with single hydrojet port in rear. Exposed mufflers at rear.
- Small cone-shaped turret centered on vehicle, if present.
- 14.5mm cannon. Sagger/Spigot/Spandrel missile system. SA-9 SAM system.
- BRDM-2 is a basic vehicle with many variant weapons systems.

BRDM-2

FLANK



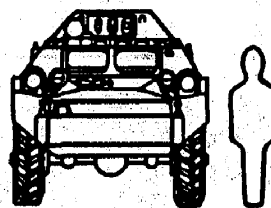
SUSPENSION



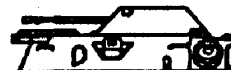
TUBE



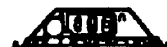
FRONTAL

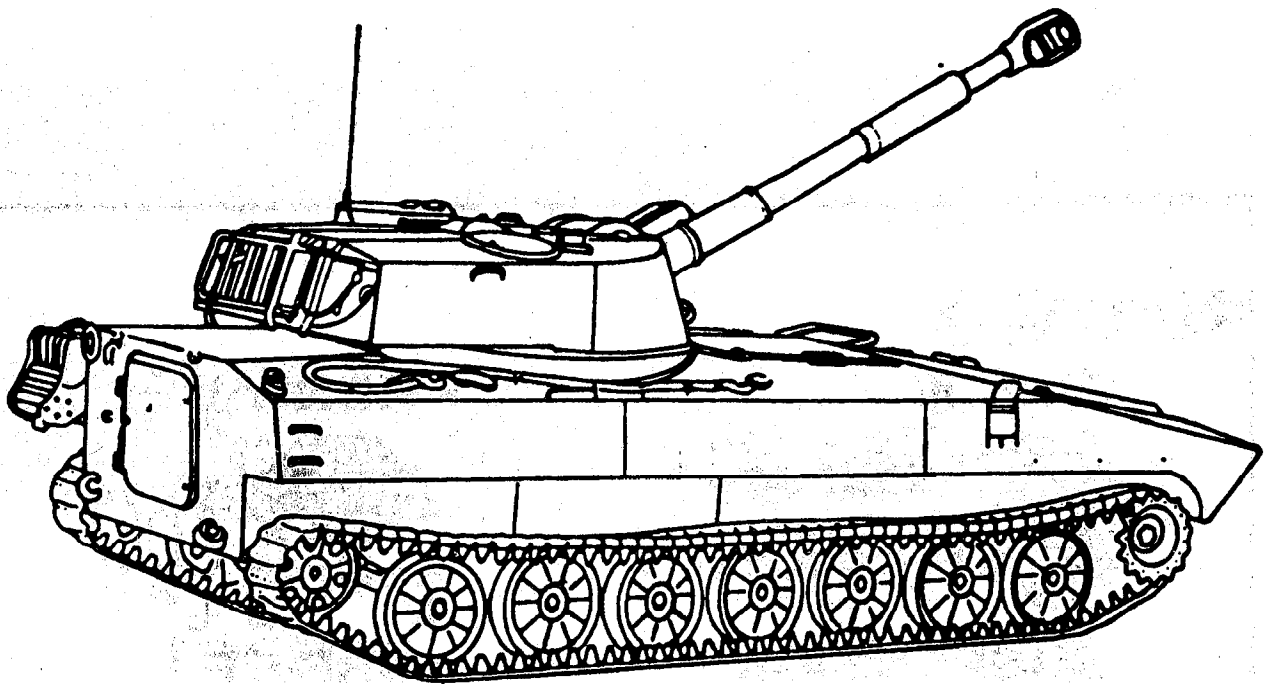


TURRET



SEARCHLIGHT

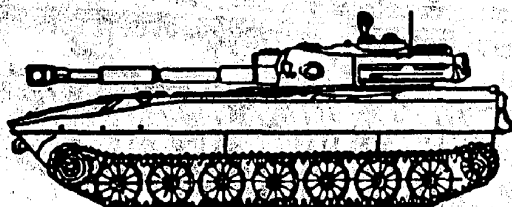




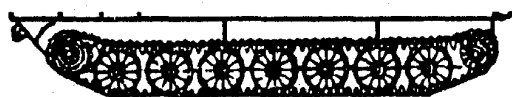
2S1/SELF PROPELLED 122MM RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track. Seven pressed roadwheels.
- Long, streamlined, boat-like hull. Exhaust port on front right. Smooth sides. Amphibious (track driven).
- Small flat-top turret with turret overhand. TC does not have AA weapon at his position.
- Gun will not extend beyond front slope fully depressed.
- 122mm cannon. Double-baffled muzzle brake and bore evacuator present.
- Weapon range is 15,300 meters (conventional ammunition) or 18,000 meters (RAP).

**SP 122
FLANK**



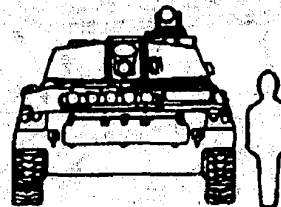
SUSPENSION



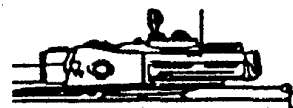
TUBE



FRONTAL

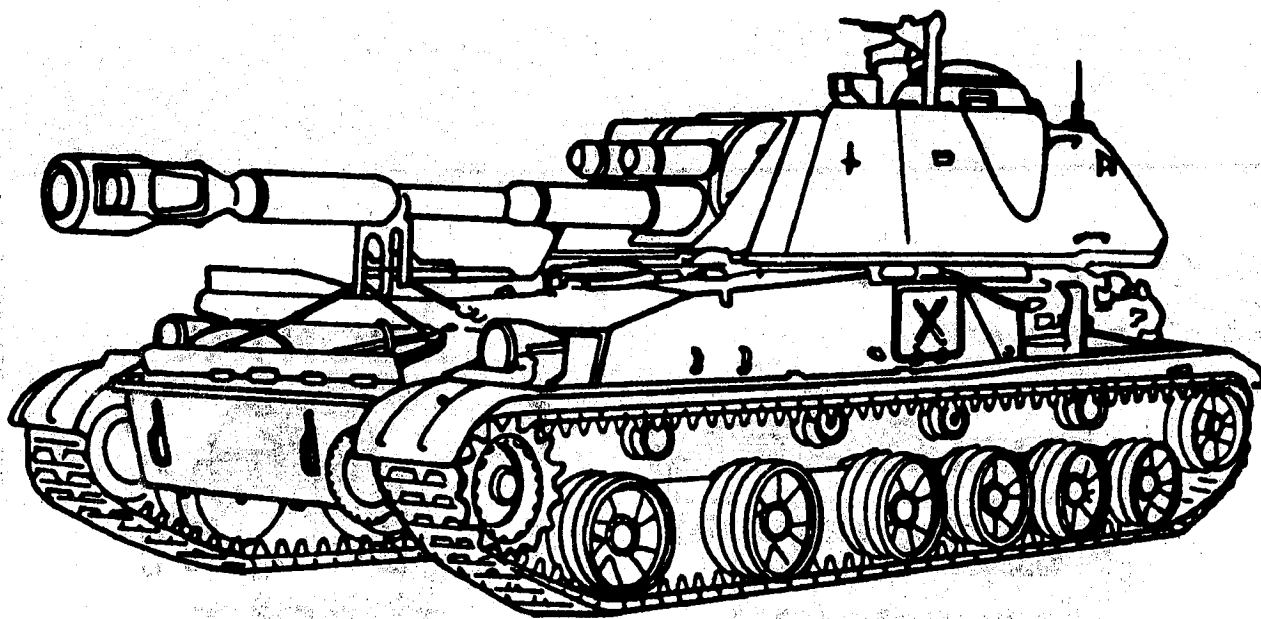


TURRET



SEARCHLIGHT





2S3/SELF PROPELLED 152MM CANNON RECOGNITION FEATURES/CHARACTERISTICS

- Supported track with 4 support rollers. 6 roadwheels, with gaps between #1 and #2, #2 and #3, roadwheels.
- High hull sides. Hull cut back 2/3 from front slope.
- Large turret. TC on left. 12.7mm anti-aircraft gun at TC's position.
- When main gun is in travel lock gun tube extends beyond front slope.
- 152mm cannon. Double baffled muzzle brake and bore evacuator present.
- Weapon range is 17,300 meters (conventional ammunition) or 21,500 meters (RAP).

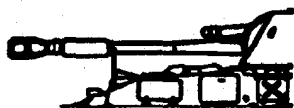
SP 152 FLANK



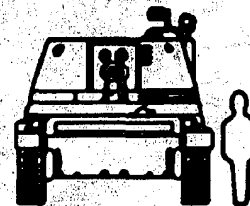
SUSPENSION



TUBE



FRONTAL

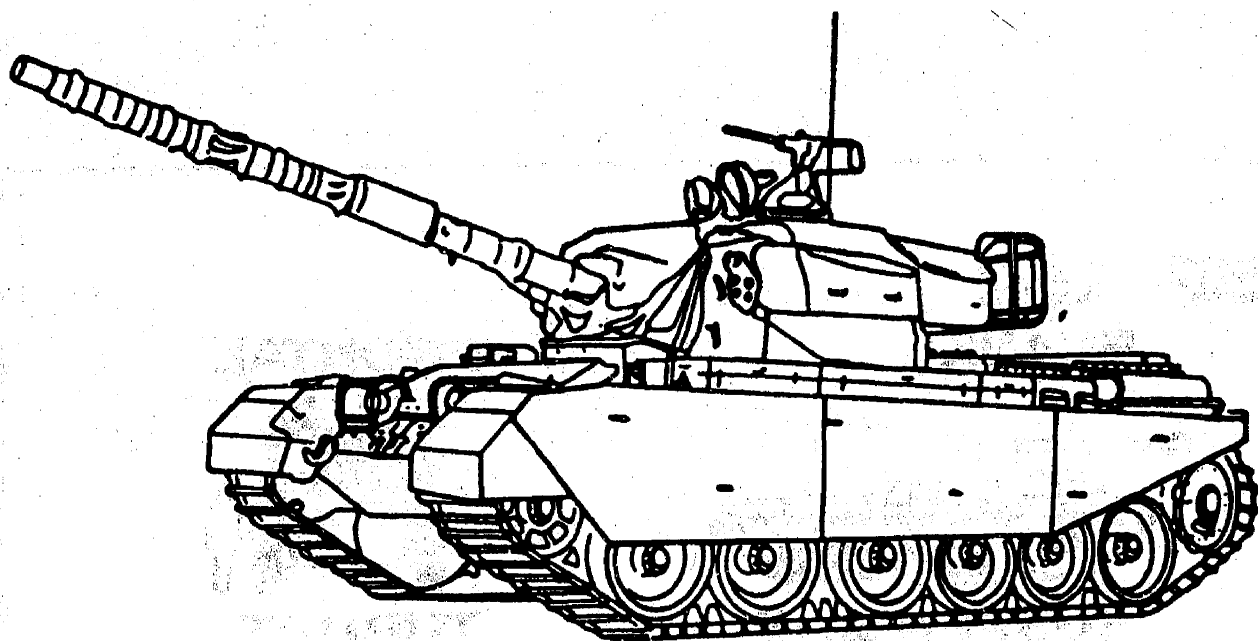


TURRET



SEARCHLIGHT MACHINE GUN

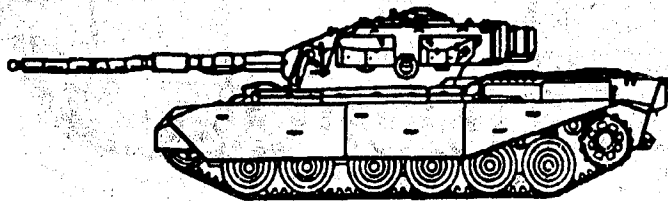




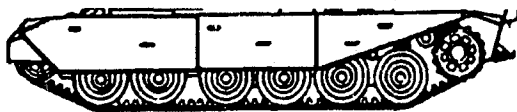
CENTURION RECOGNITION FEATURES/CHARACTERISTICS

- Supported track, 6 roadwheels, usually seen with side skirts. Gap between #2 and #3 roadwheels. Side skirts angle-cut at rear, completely exposing #6 roadwheel.
- Wedge shaped glacis plate.
- Driver's split hatch on right front of hull. Two large mufflers on left and right side of rear deck.
- Box like turret. Large stowage boxes and smoke grenade launchers on both sides of turret.
- 105mm main gun, with bore evacuator present.
- Effective range of main armament is 1800 meters.
- No longer in service as British main battle tank.

CENTURION FLANK



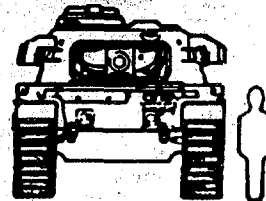
SUSPENSION



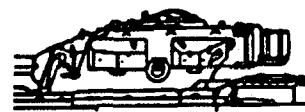
TUBE



FRONTAL

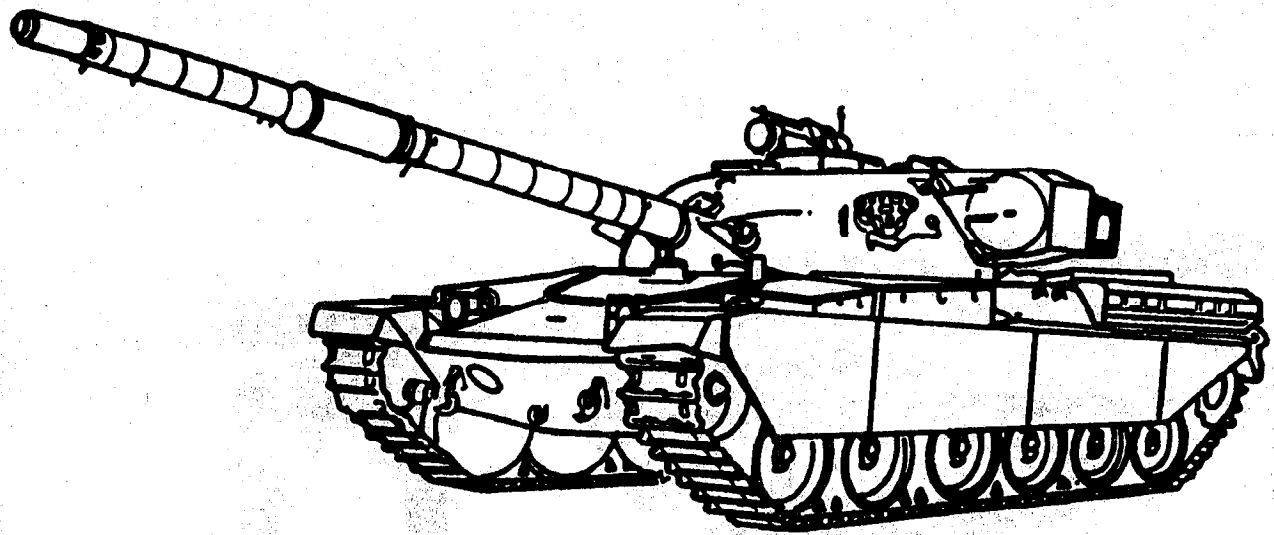


TURRET



MACHINE GUN

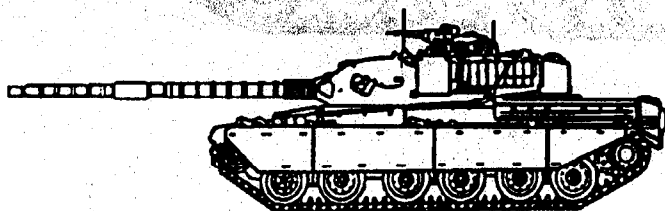




CHIEFTAIN RECOGNITION FEATURES/CHARACTERISTICS

- Supported track, 6 roadwheels, with track skirts angled sharply at rear. Sixth roadwheel not fully exposed.
- Rounded front glacis. Splash board set well forward. Driver centered in hull. Long stowage boxes on left and right rear of hull.
- Large sloped turret. No gun mantle. Gun protrudes from center of turret. Laser range finder integrated into turret box on left, with circular port cover.
- 120mm main gun. Bore evacuator and thermal wrap present.
- Effective range of main armament is 3000 meters.

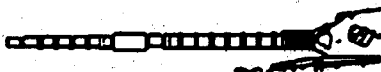
CHIEFTAIN FLANK



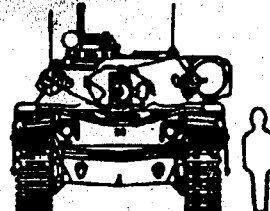
SUSPENSION



TUBE



FRONTAL

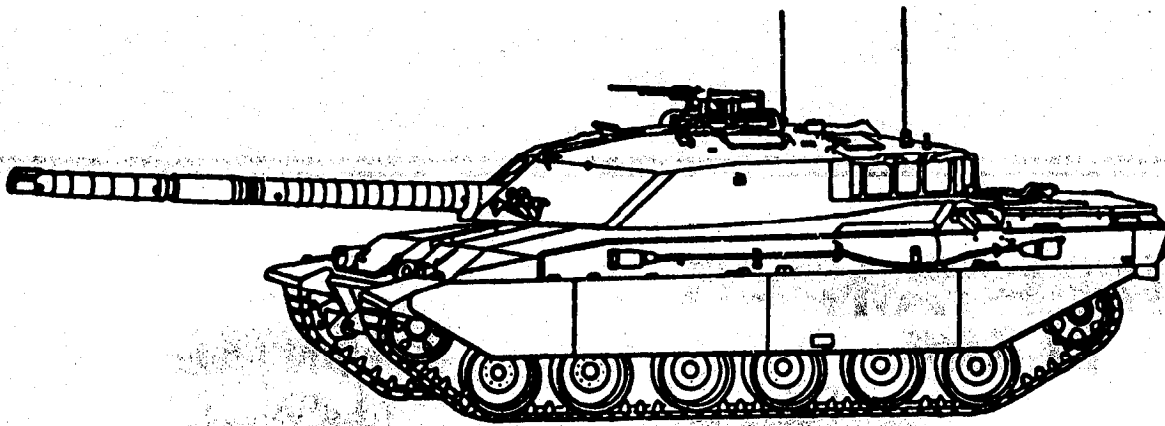


TURRET



SEARCHLIGHT MACHINE GUN

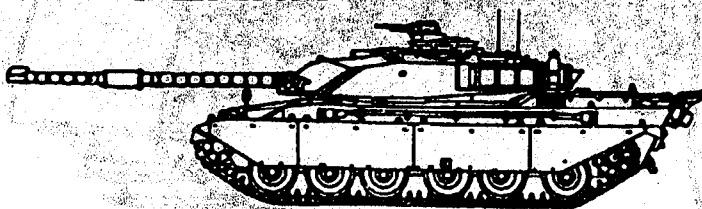




CHALLENGER RECOGNITION FEATURES/CHARACTERISTICS

- Supported track with six roadwheels. Track skirting angled sharply at rear. Sixth roadwheel not fully exposed.
- Square/angled hull. Driver centered in hull.
- Angular/faceted turret with turret overhang. Front of turret has gradual slope. No gun mantle.
- 120mm main gun. Bore evacuator and thermal shroud present.
- Effective range of main armament is 3200 meters.

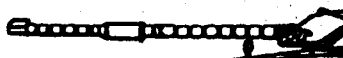
CHALLENGER FLANK



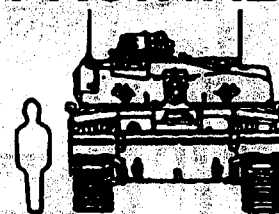
SUSPENSION



TUBE

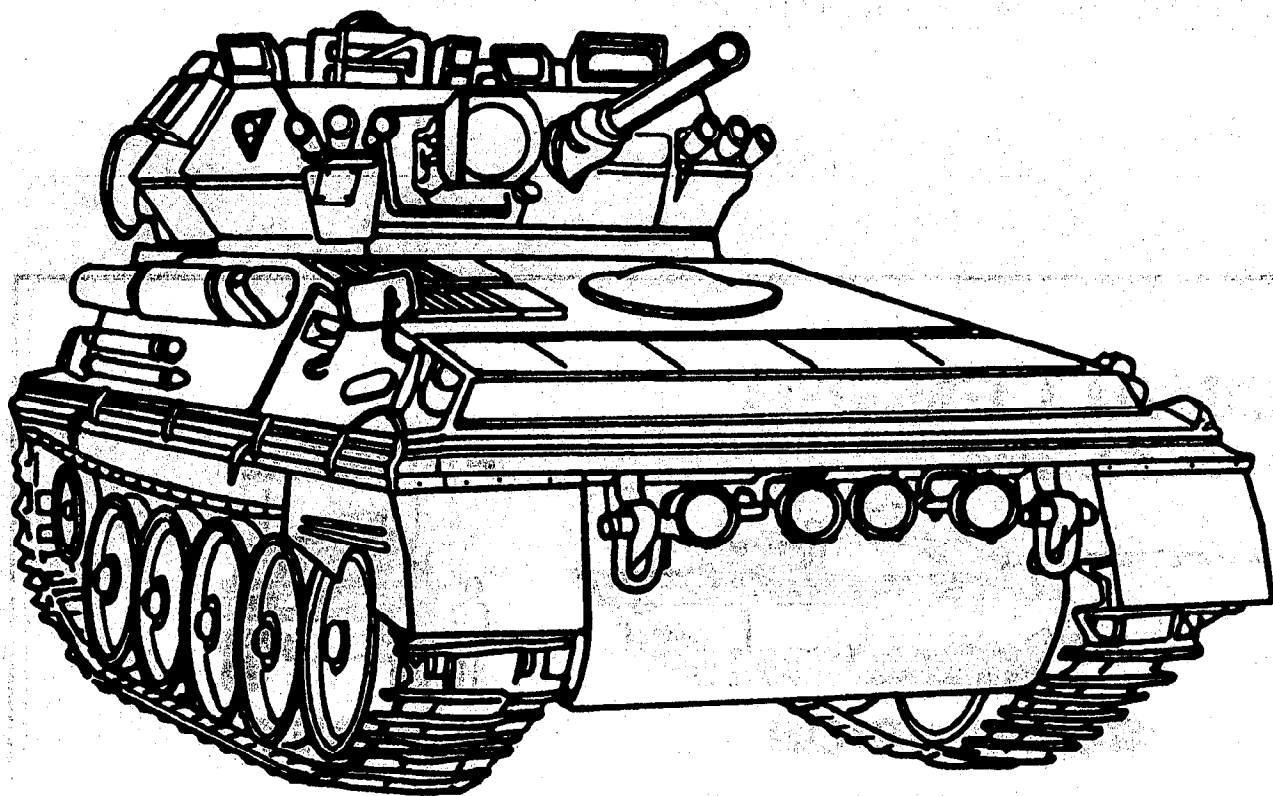


FRONTAL



TURRET



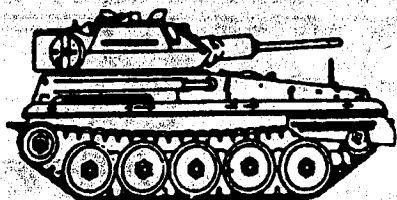


SCORPION RECOGNITION FEATURES/CHARACTERISTICS

- Non-supported track with 5 roadwheels.
- Boat shaped hull, long sloping front deck. Driver on left. Sloping sides. Long covered exhaust along right side of hull.
- Small angular shaped turret set rear of center line. Small, round passive sight on right of cannon. Individual tubed grenade launchers left and right side of turret.
- 76mm cannon. Short tube without bore evacuator or muzzle brake.
- Effective range of main armament is 1600 meters.

SCORPION

FLANK



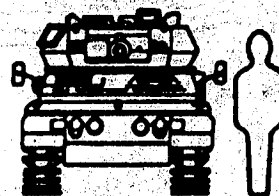
SUSPENSION



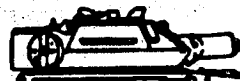
TUBE

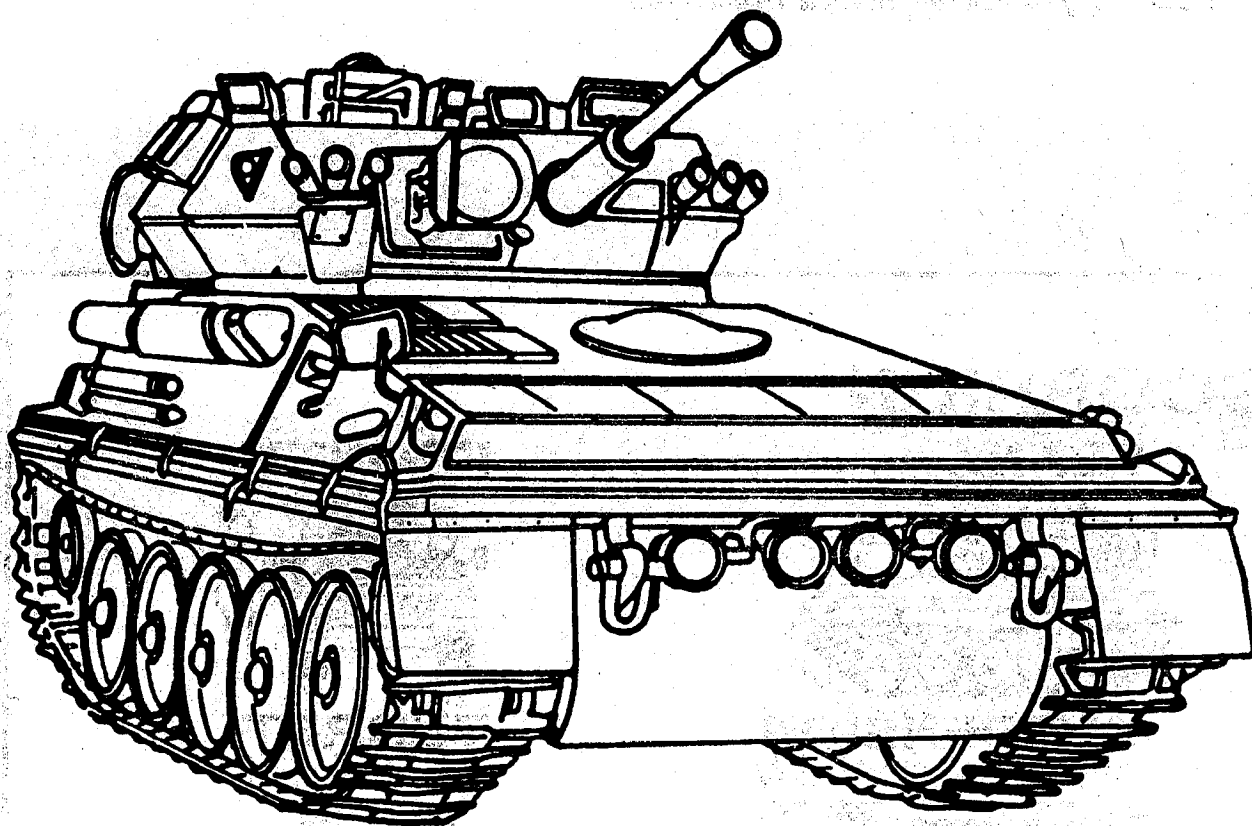


FRONTAL



TURRET



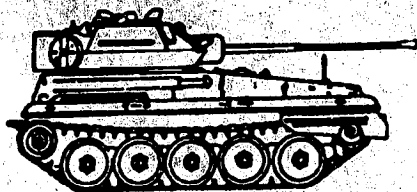


SCIMITAR RECOGNITION FEATURES/CHARACTERISTICS

- Vehicle similar to SCORPION. Smaller gun tube.
- 30mm cannon. Appears to be in two sections.
- Effective range of main armament is 2000 meters.

SCIMITAR

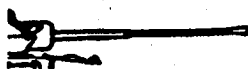
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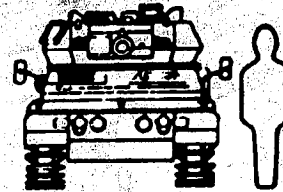
SUSPENSION



TUBE

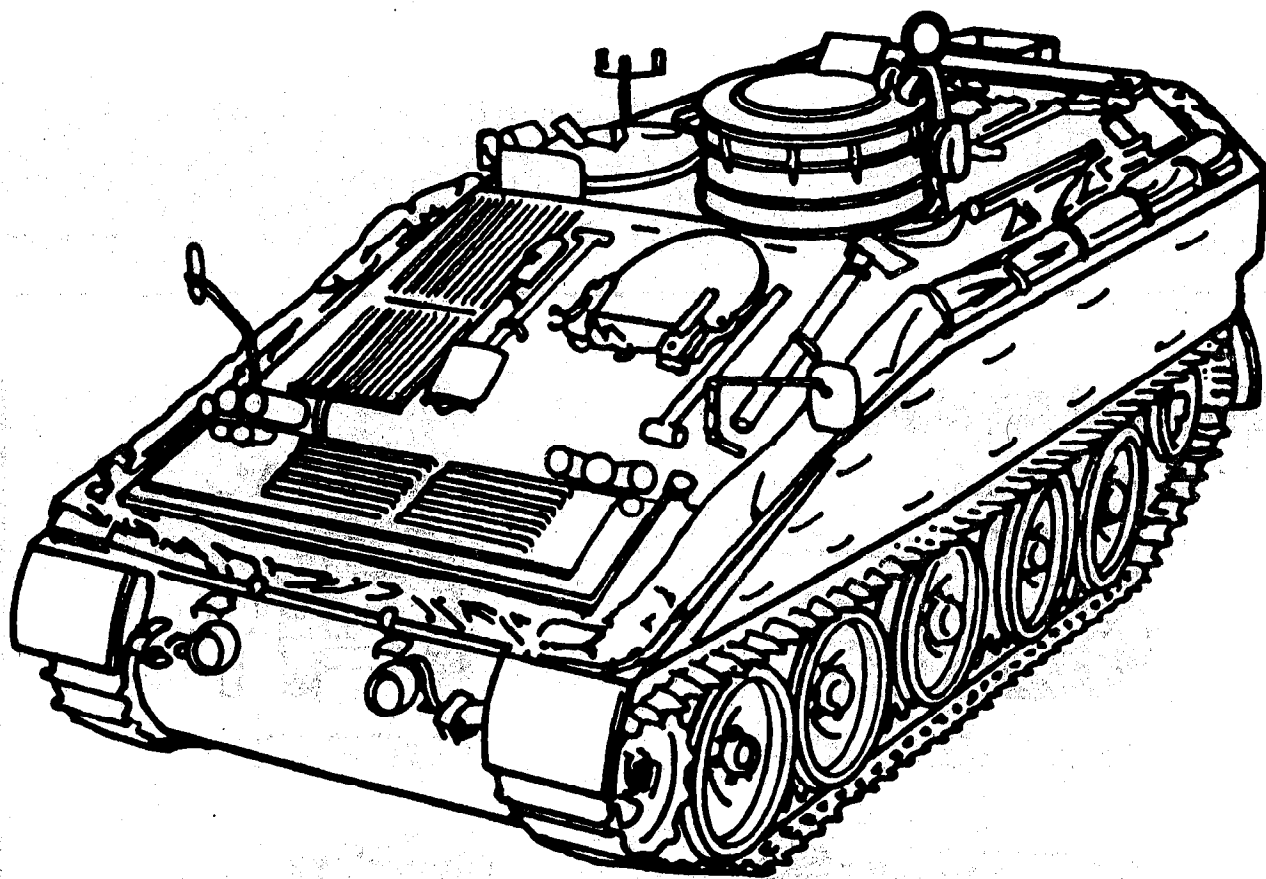


FRONTAL



TURRET





SPARTAN RECOGNITION FEATURES/CHARACTERISTICS

- Suspension and hull similar to SCORPION.
- No turret, built up cupola on left side of hull for TC.
- 7.62mm machine gun in cupola.
- Effective range of main armament is 900 meters.

SPARTAN FLANK

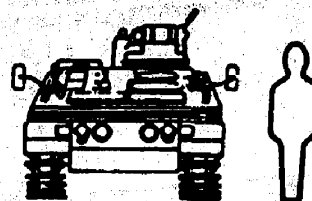


SUSPENSION



TUBE N/A

FRONTAL

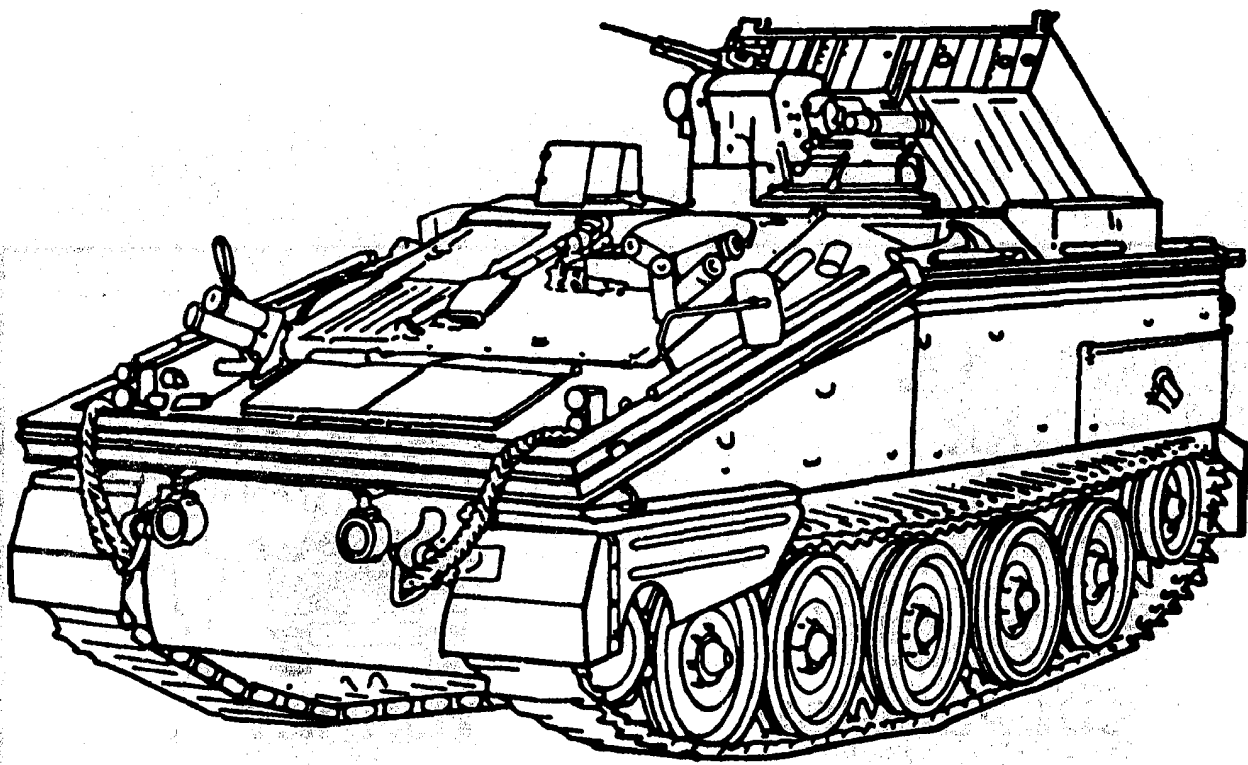


TURRET

N/A

SEARCHLIGHT MACHINE GUN

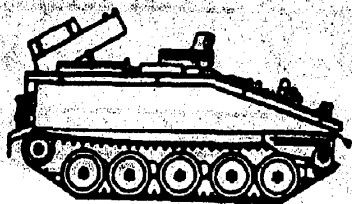




STRIKER RECOGNITION FEATURES/CHARACTERISTICS

- Suspension and hull similar to SPARTAN. Missile pod on top-rear of vehicle, contains 5 swingfire missiles.
- Swingfire anti-tank guided missile system.
- Maximum range of swingfire missile is 4000 meters.

STRIKER FLANK



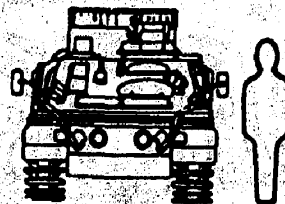
SUSPENSION



TUBE



FRONTAL

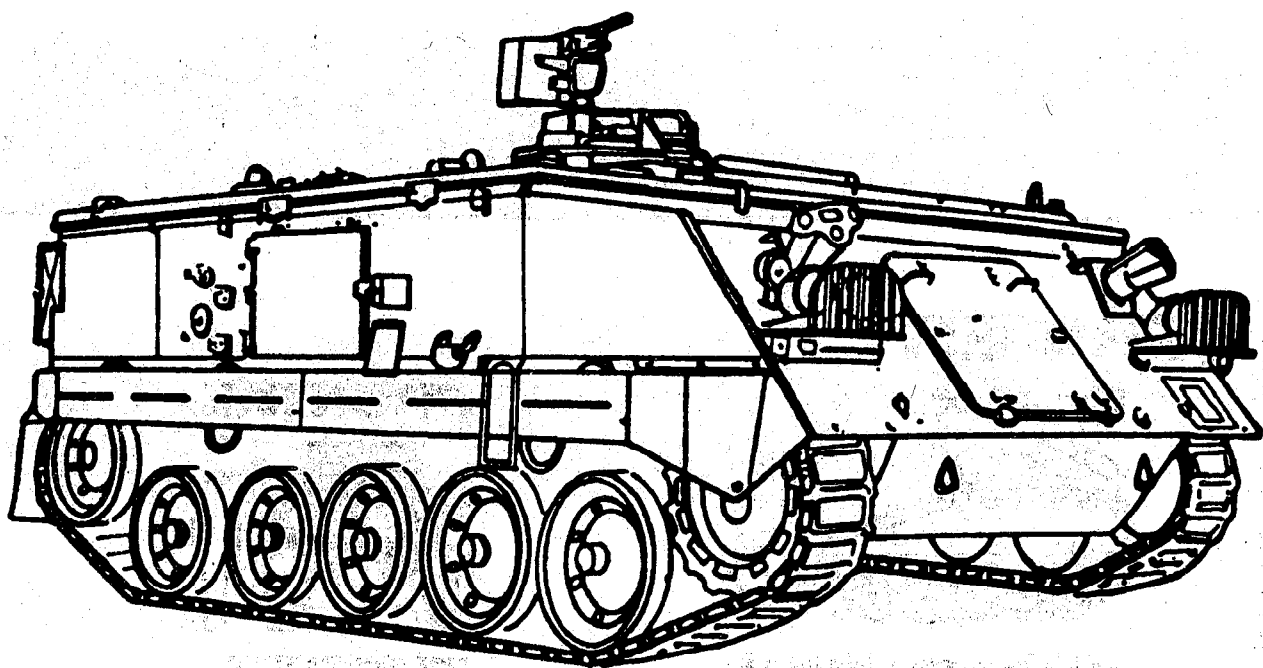


TURRET

N/A

MACHINE GUN

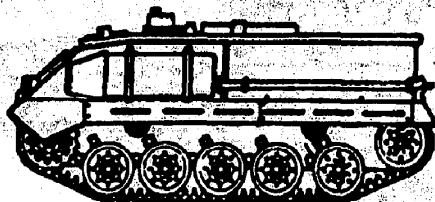




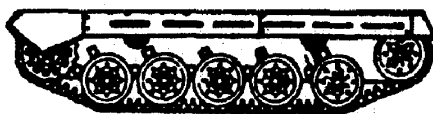
FV-432 RECOGNITION FEATURES/CHARACTERISTICS

- Supported track, 5 roadwheels, 2 support rollers.
- Large square hull, boat-shaped front with or without trim board. When without trim board access hatch to engine compartment is exposed. Similar to an oversized US M-113.
- Oversized muffler and exhaust pipe along left side of hull.
- Large box containing NBC system on right side of hull.
- 7.62mm machine gun mounted in commander's cupola.
- Effective range of main armament is 900 meters.

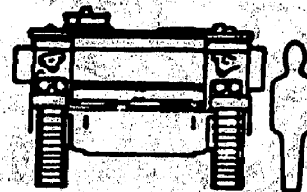
FV 432 FLANK

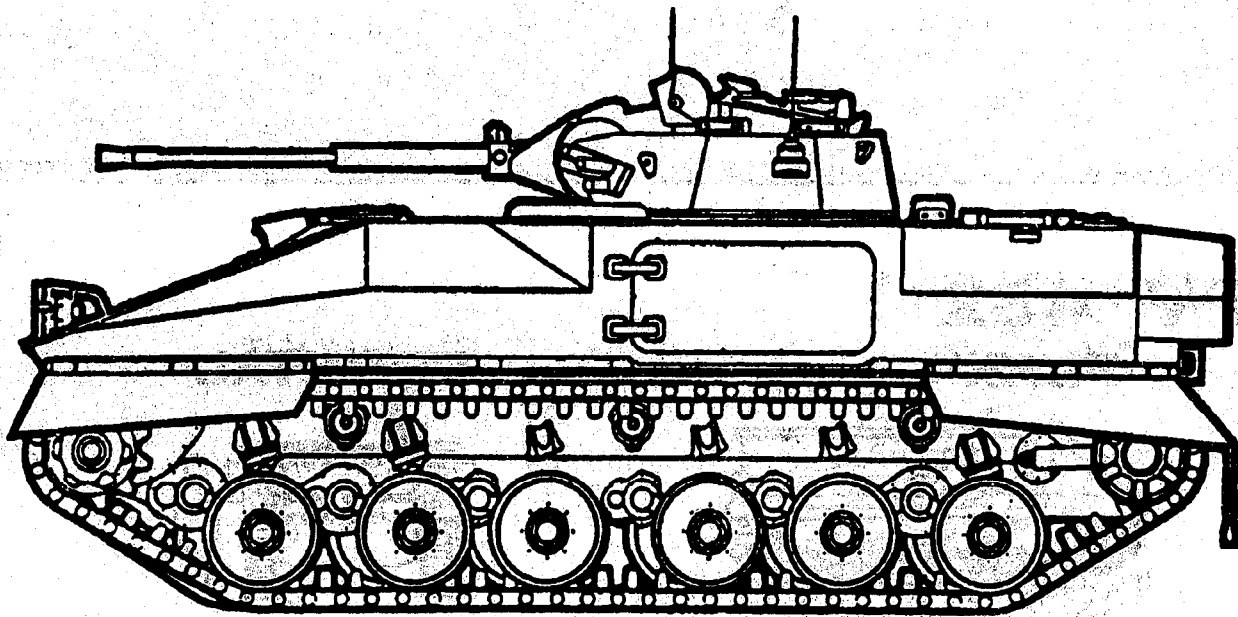


SUSPENSION



FRONTAL

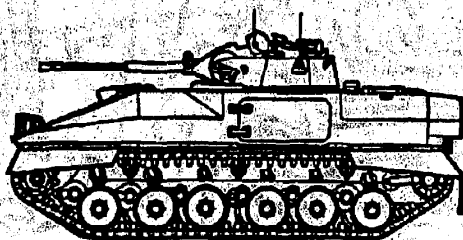




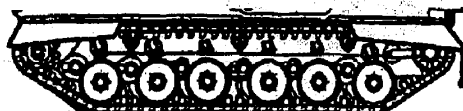
WARRIOR RECOGNITION FEATURES/CHARACTERISTICS

- Supported track with six roadwheels. Space between #3 and #4 roadwheels.
- Long gradual front slope. Engine in right front of hull. Driver in left front of hull. Crew compartment in rear. Resembles M2/M3 BRADLEY FIGHTING VEHICLE.
- Angular shaped turret over 4th and 5th roadwheels.
- 30mm cannon, with wedge shaped mantlet.
- Effective range of main armament is 2000 meters.

WARRIOR FLANK



SUSPENSION

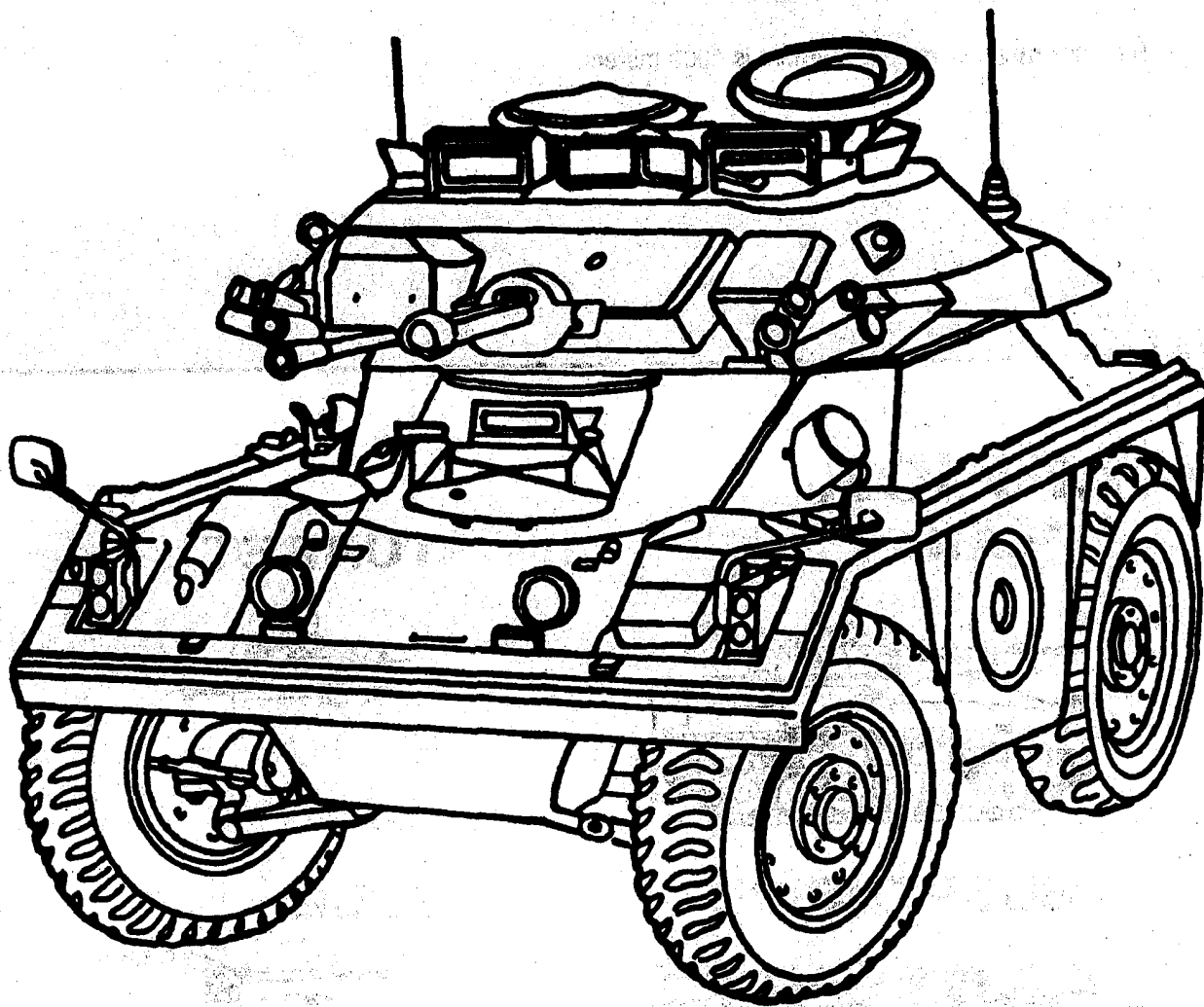


TURRET



TUBE



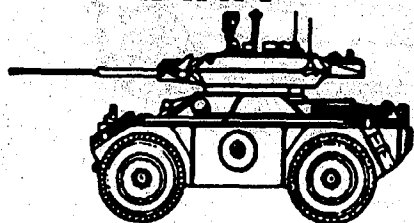


FOX RECOGNITION FEATURES/CHARACTERISTICS

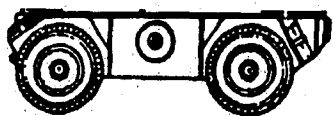
- Four mud tires. Two per side.
- Driver centered in forward portion of hull.
- Stowage compartment between wheels on both sides of hull.
- Large exhaust on rear of hull.
- Turret similar in design to SCIMITAR turret. Two hatches on top open to rear.
- 30mm cannon.
- Effective range of main armament is 2000 meters.

FOX

FLANK



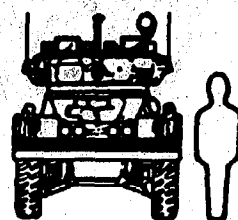
SUSPENSION



TUBE



FRONTAL

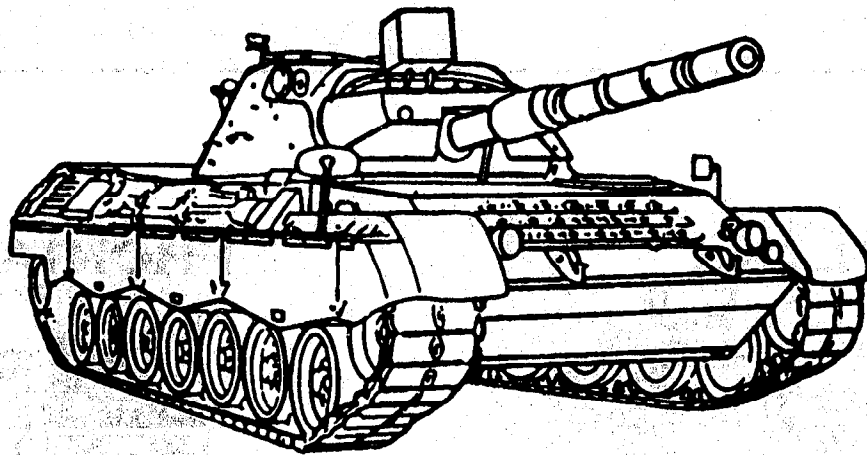


TURRET



SEARCHLIGHT

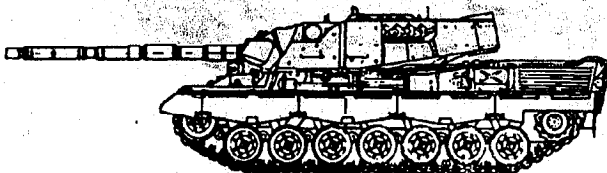




LEOPARD 1A1/1A2 RECOGNITION FEATURES/CHARACTERISTICS

- Supported track. Seven evenly spaced roadwheels. Serrated side skirts (early models may not have skirting). Three support rollers.
- Hull has angular slopes on sides with rectangular exhaust louvers at the rear.
- 105mm main gun with thermal shrouding. Box shaped searchlight (if mounted) above and to left of gun. Large rounded (cast) gun mantle.
- Turret is cast steel with rounded edges and external stowage basket in rear.

LEOPARD 1A1/1A2 FLANK



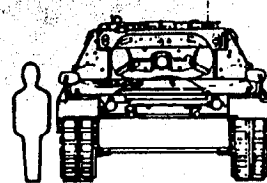
SUSPENSION



TUBE



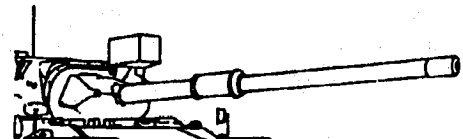
FRONTAL

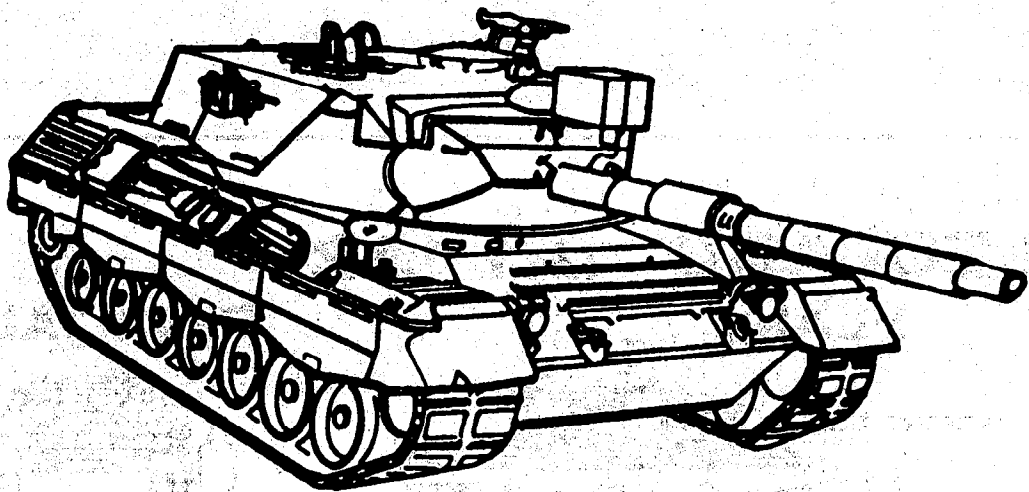


TURRET



SEARCHLIGHT

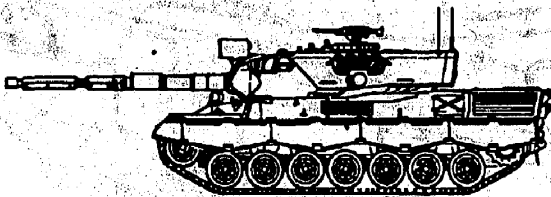




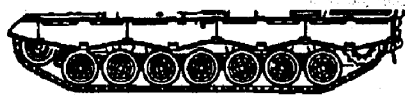
LEOPARD 1A3/1A4 RECOGNITION FEATURES/CHARACTERISTICS

- Supported track. Seven evenly-spaced roadwheels. Three support rollers. Serrated side skirts.
- Sloping sides on hull with exhaust louvers at rear on left and right sides. If searchlight is mounted it is rectangular with split shutters to left of main gun.
- Turret is angular in appearance with sloping sides. Large wedge shaped gun mantlet present.
- 105mm main gun. Thermal shrouds and bore evacuator present.
- Effective range of main armament is 2400 meters.
- 1A4 has a panoramic viewer for TC located on top right of turret.

LEOPARD 1A3/1A4 FLANK



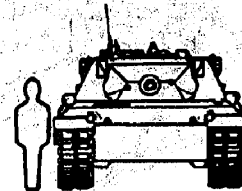
SUSPENSION



TUBE



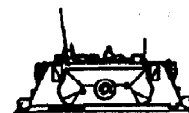
FRONTAL

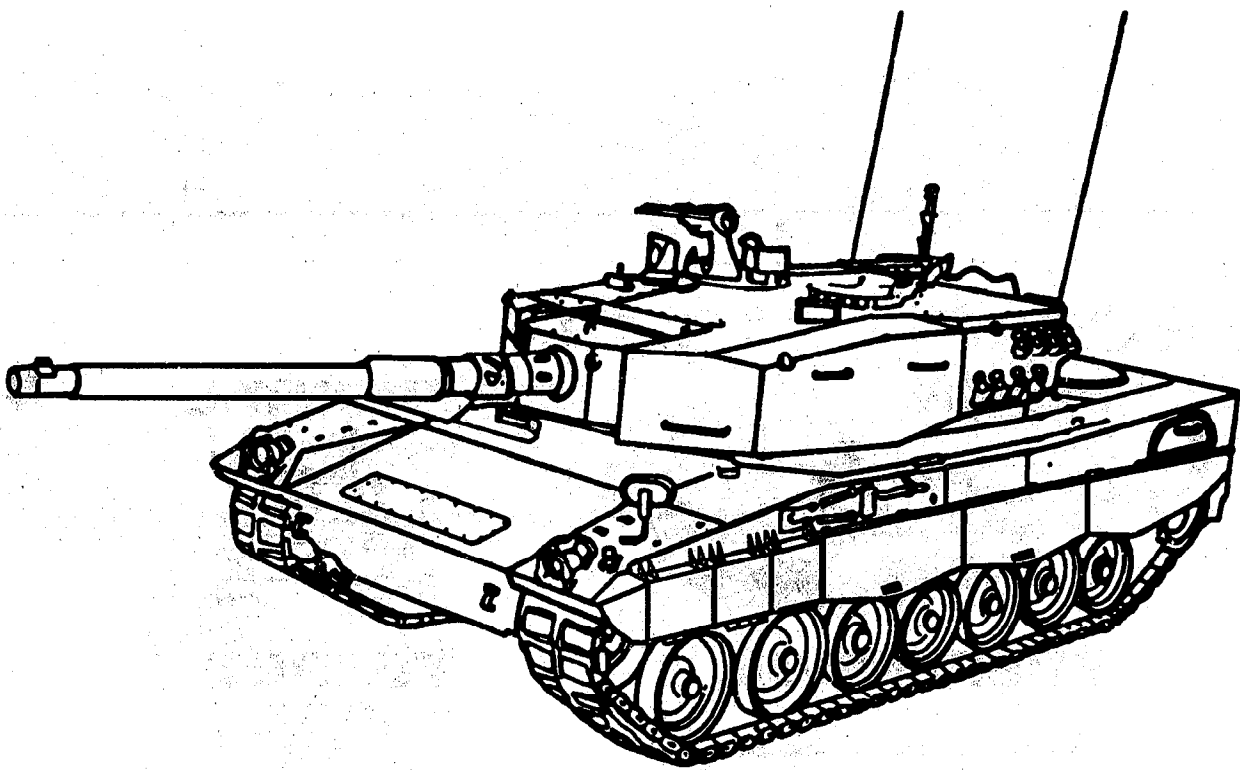


TURRET



MACHINE GUN

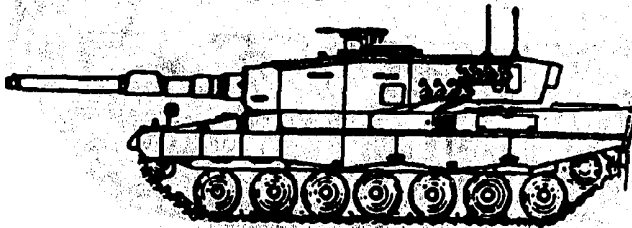




LEOPARD II RECOGNITION FEATURES/CHARACTERISTICS

- Supported track with serrated side skirts, 7 roadwheels evenly spaced.
- Squared flat hull surfaces. Sides of hull are vertical. 2 circular fan grills on flat rear deck.
- Turret has flat surfaces with cut out to right of gun mantlet, 2 circular hatches on top. Small rectangular gun mantlet.
- 120mm main gun (smoothbore). Bore evacuator rounded. Thermal shrouds present.
- Effective range of main armament is 3,000 meters.

LEOPARD II FLANK



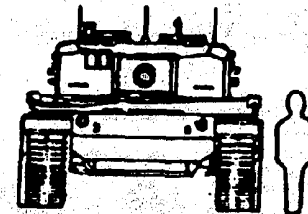
SUSPENSION



TUBE



FRONTAL

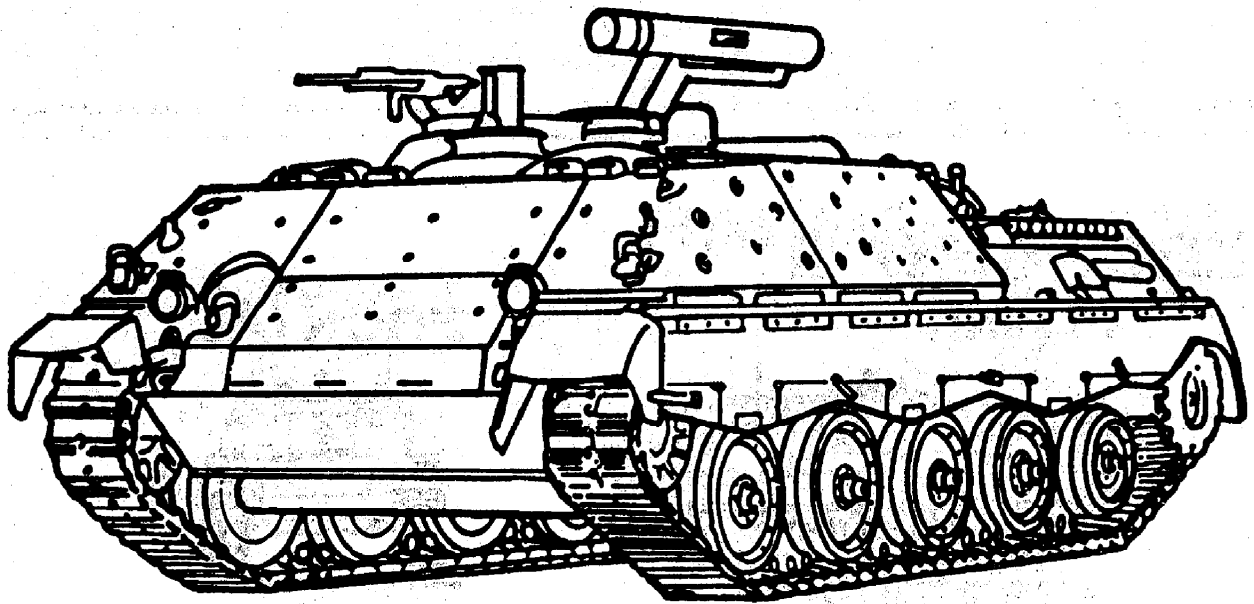


TURRET



MACHINE GUN



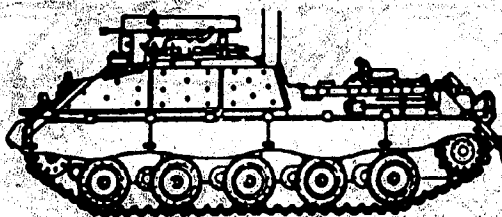


JAGDPANZER 1 JAGUAR (JPZ JAGUAR) RECOGNITION FEATURES/CHARACTERISTICS

- Supported track with serrated side skirts. 5 roadwheels.
- Tube for HOT missiles on top, left side of armored crew compartment.
- Bolt-on spaced armor, with bolts visible, covers crew compartment.
- HOT missile system (High subsonic Optically Tracked missile).
- Maximum range of missile system is 4000 meters.

JPZ 1 JAGUAR

FLANK



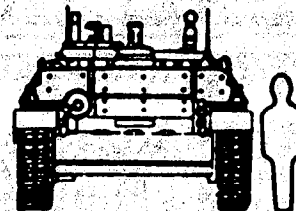
SUSPENSION



TUBE



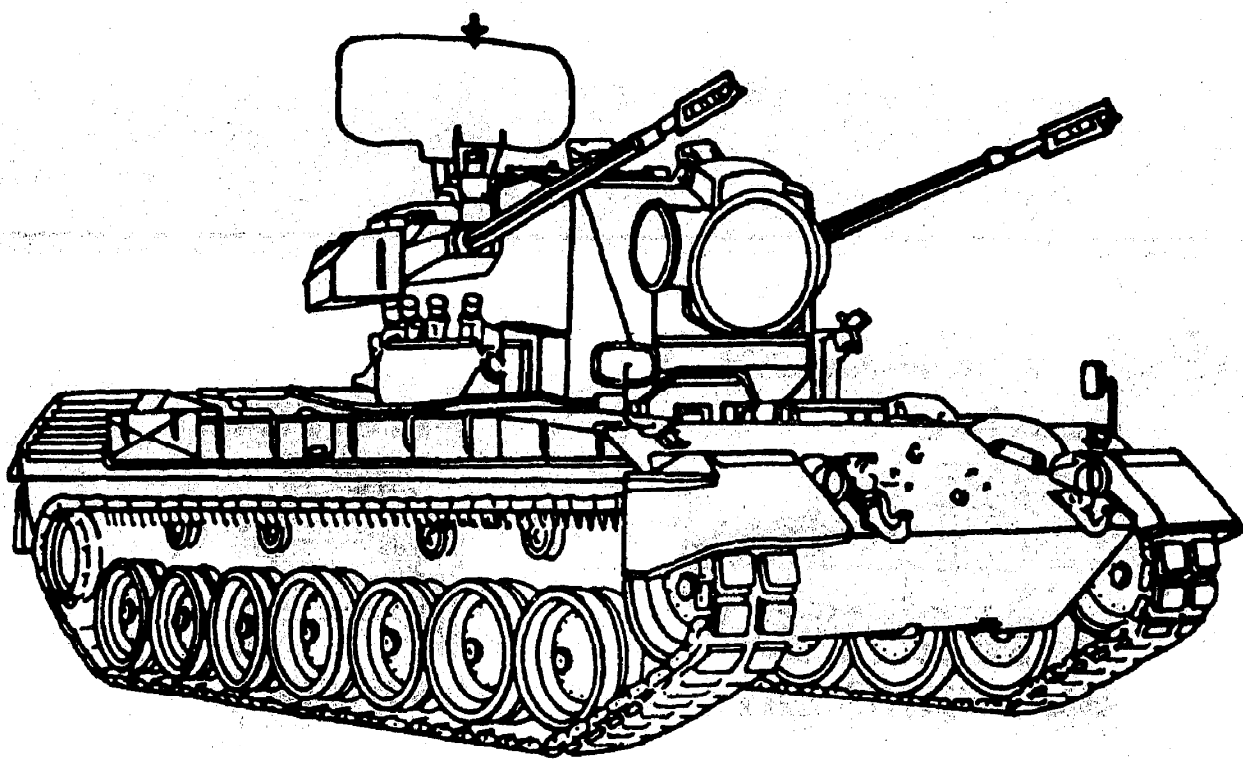
FRONTAL



TURRET

N/A



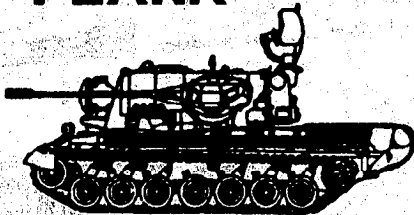


FLAKPANZER GEPARD RECOGNITION FEATURES/CHARACTERISTICS

- Suspension and hull are same as LEOPARD I.
- Boxlike turret with cannons mounted on both sides of turret. Radar dish on top and in center of guns. TC is centered.
- Smoke launchers on left and right side of turret.
- Two 35mm cannons.
- Effective range of main armament is 4000 meters.

FPZ GEPARD

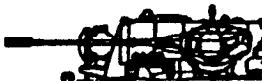
FLANK



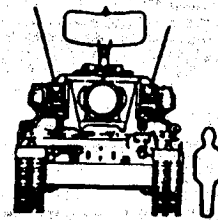
SUSPENSION



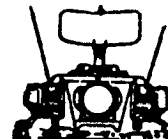
TUBE

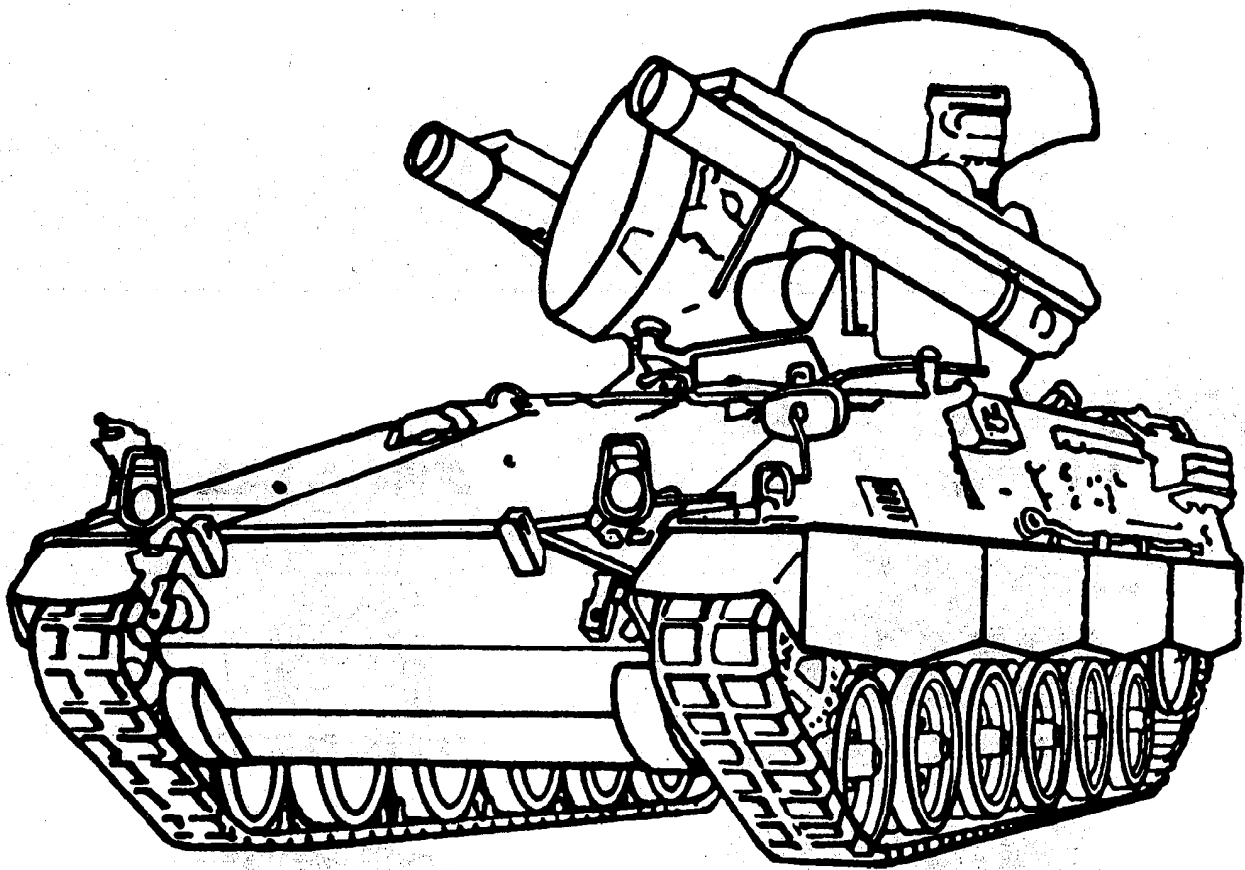


FRONTAL



TURRET

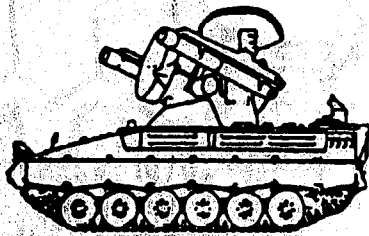




ROLAND RECOGNITION FEATURES/CHARACTERISTICS

- Hull and suspension are similar to MARDER.
- Missile tubes on sides of turret. Two radar dishes, one high on rear, one forward between missile ramps.
- ROLAND missile system.
- Missile range is 6 kilometers.

ROLAND FLANK



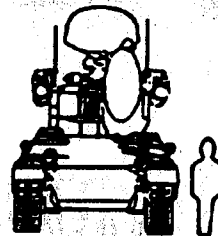
SUSPENSION



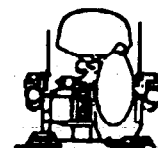
TUBE

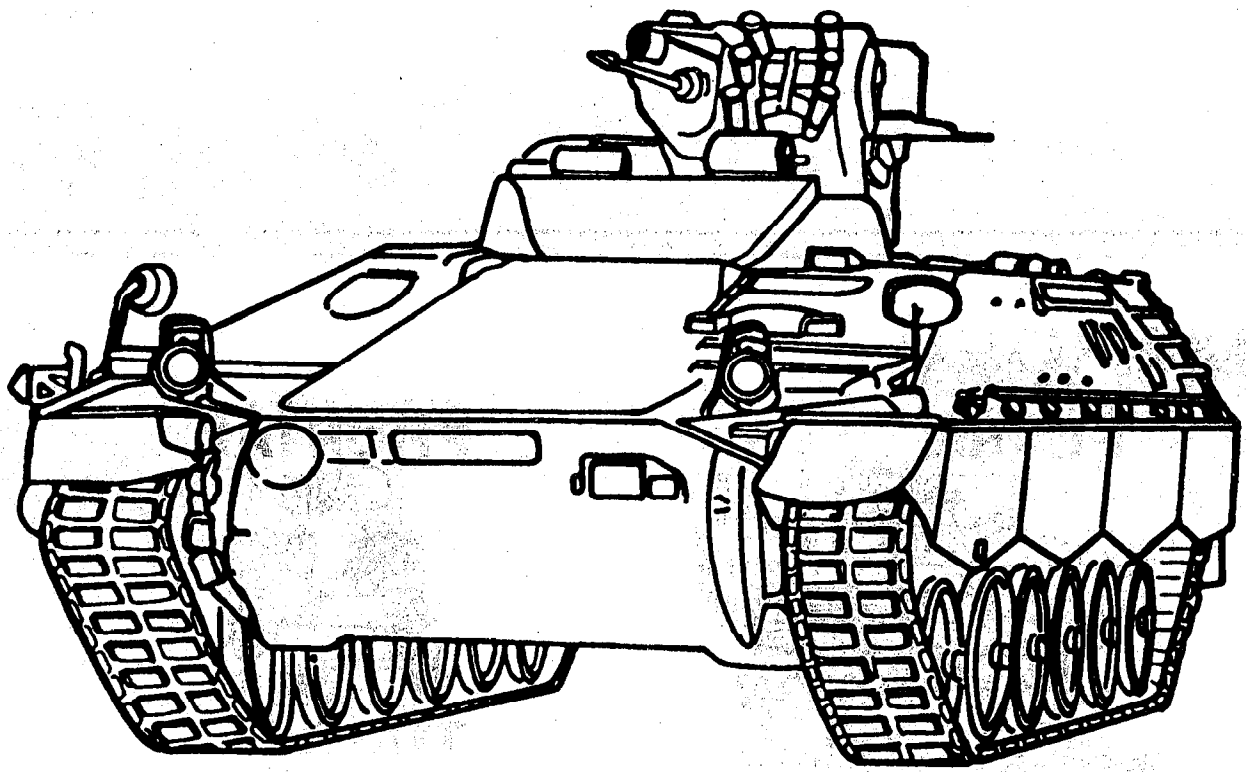


FRONTAL



TURRET



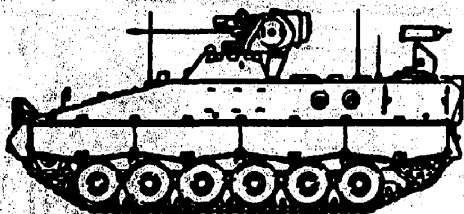


MARDER RECOGNITION FEATURES/CHARACTERISTICS

- Supported track, 6 roadwheels, 3 support rollers, serrated side skirts.
- Boat-shaped hull, front deck slopes downward. Driver on left. Sides slope outward with 2 round rifle ports on each side near rear. Armor-encased remote-operated 7.62 machine gun on rear deck.
- Turret, on center line of vehicle, presents high silhouette.
- 20mm cannon.
- Effective range of main armament is 1600 meters.

MARDER

FLANK



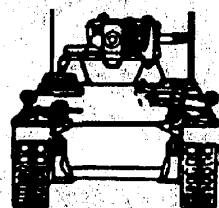
SUSPENSION



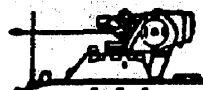
TUBE

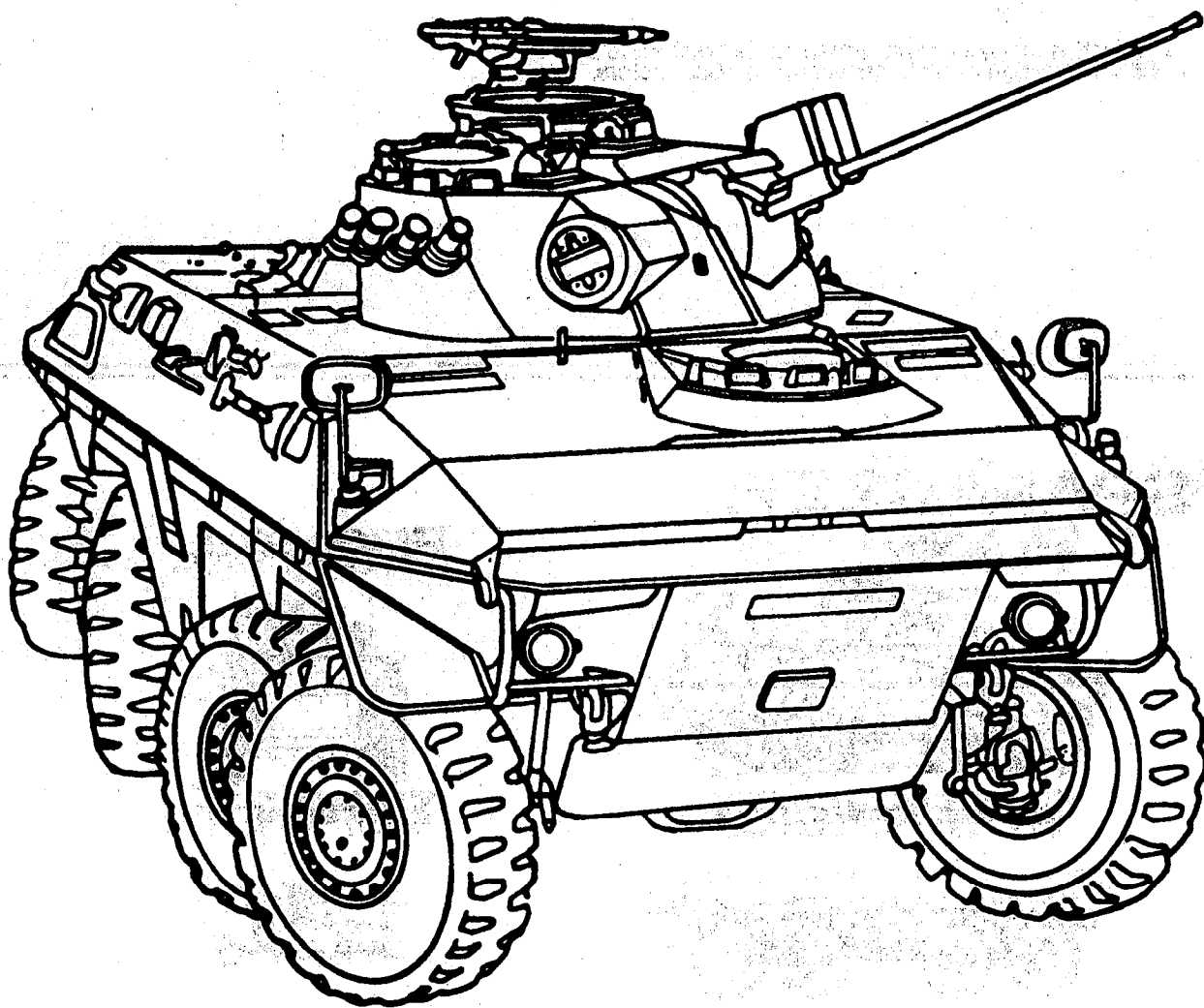


FRONTAL



TURRET



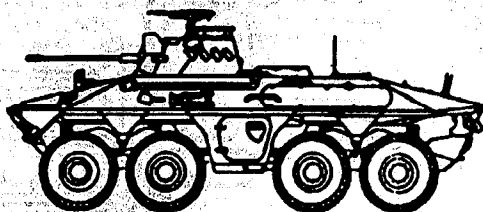


SPAHPANZER/LUCHS RECOGNITION FEATURES/CHARACTERISTICS

- Eight large mud tires, 4 per side, access door between #2 and #3 wheels on left side.
- Boat-shaped hull, two props in rear for amphibious operations.
- Box-shaped turret, searchlight on left of turret, gun not centered.
- 20mm cannon.
- Effective range of main armament is 1600 meters.

SPANZER

FLANK



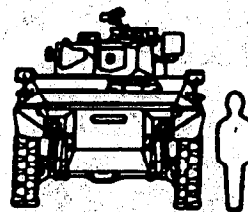
SUSPENSION



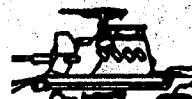
TUBE



FRONTAL

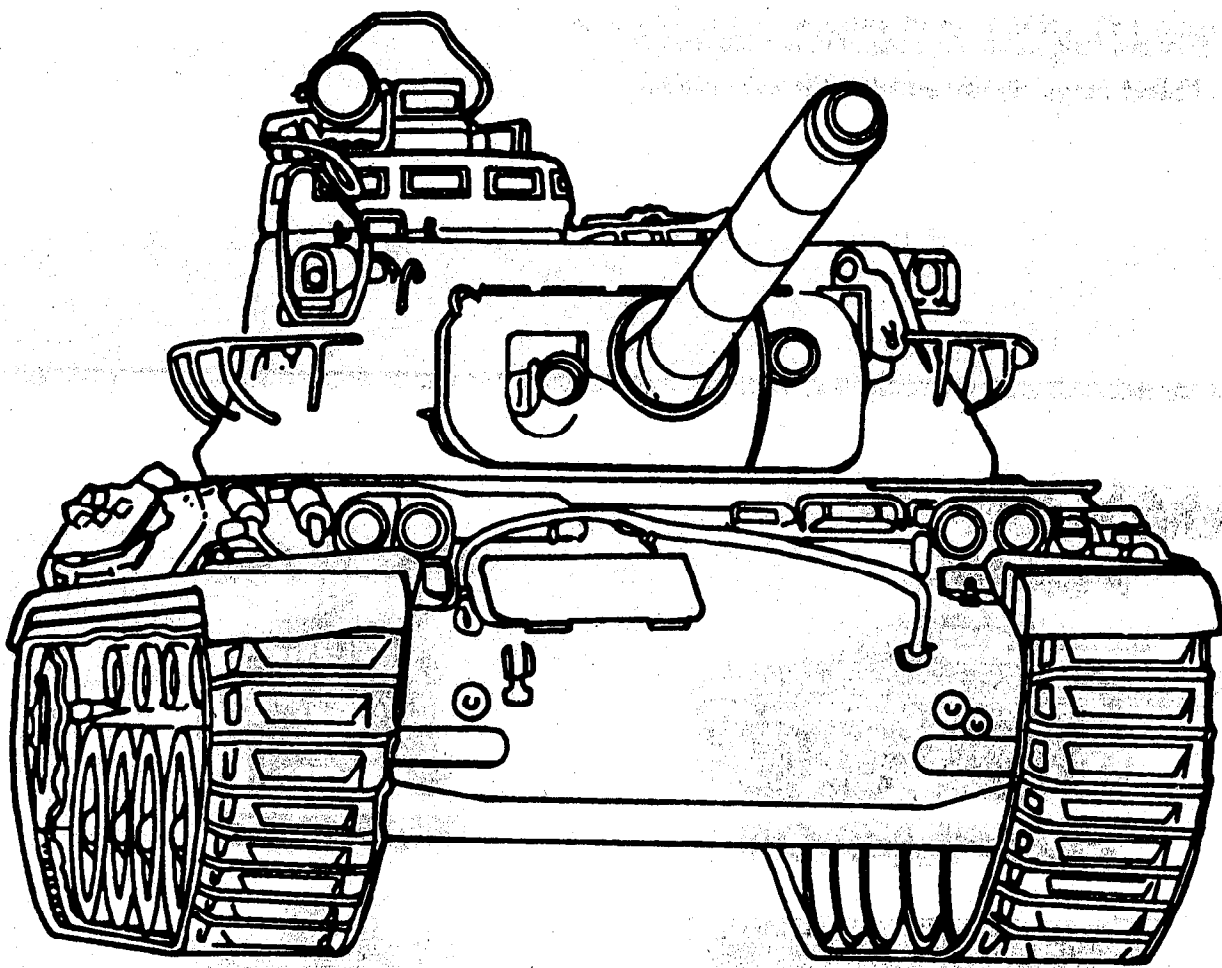


TURRET



SEARCHLIGHT MACHINE GUN

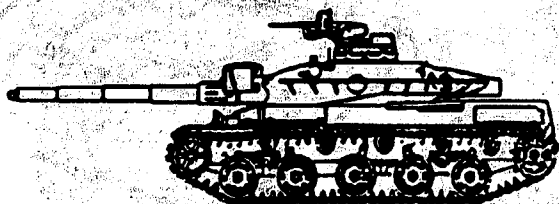




AMX 30 RECOGNITION FEATURES/CHARACTERISTICS

- Supported track. Five roadwheels, 5 support rollers. May have side skirts.
- Rounded front glacis. Driver on left. Triangular mufflers on left and right rear fenders. Sides of hull slope inward.
- Stowage racks on left and right side of turret. Large gun mantlet, high prominent TC's cupola on right.
- 105mm main gun. Thermal shrouds, no bore evacuator.
- Effective range of main armament is 2500 meters.

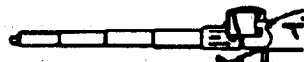
AMX-30 FLANK



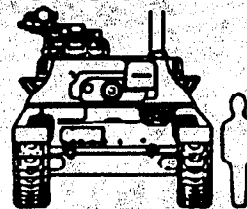
SUSPENSION



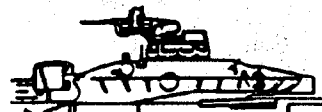
TUBE



FRONTAL

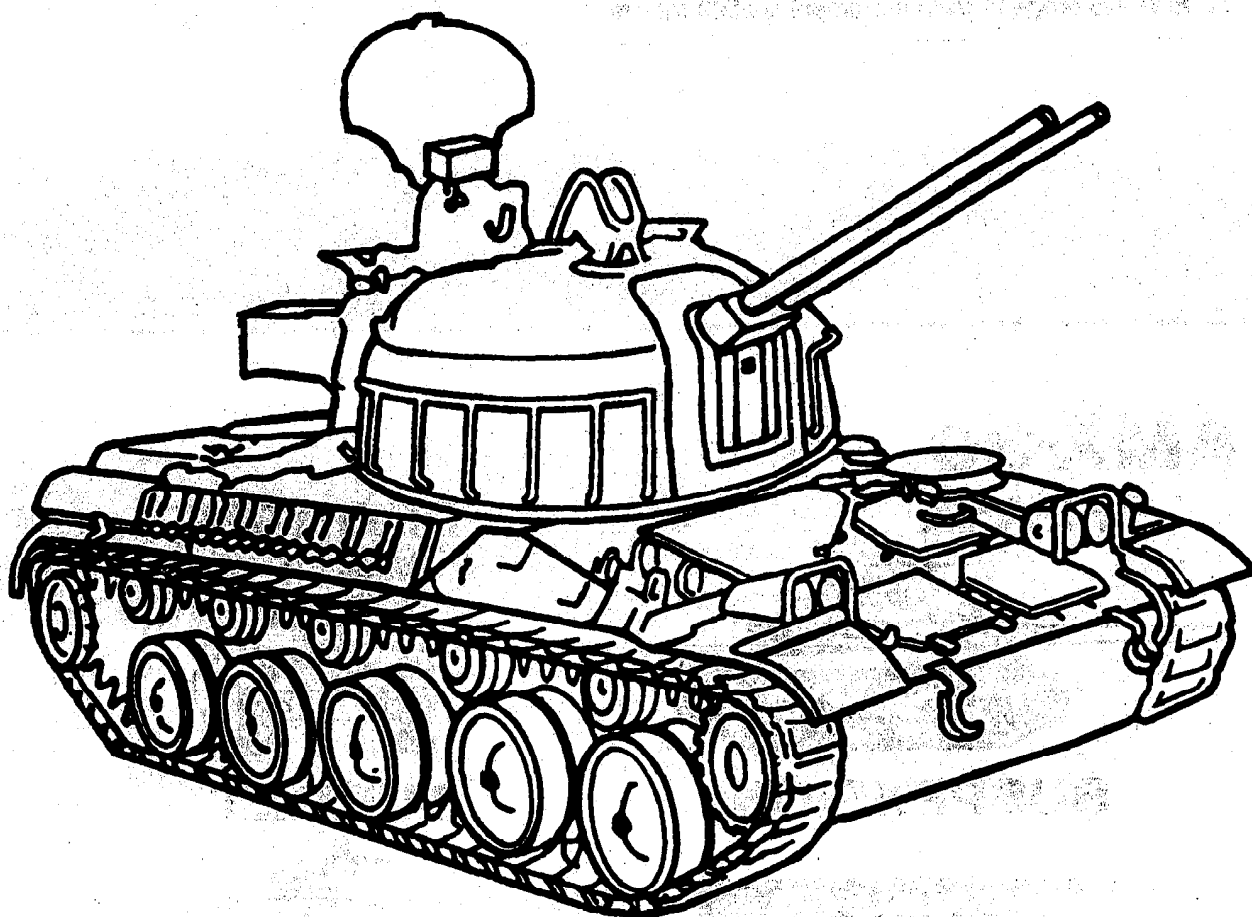


TURRET



SEARCHLIGHT MACHINE GUN

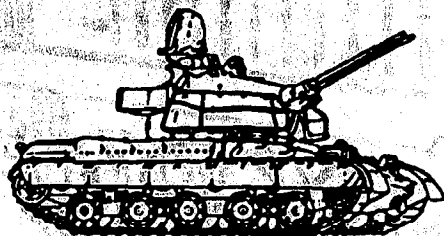




AMX-30 SA RECOGNITION FEATURES/CHARACTERISTICS

- Hull and suspension same as AMX-30.
- Rounded turret. Radar dish on top rear. Deep cargo bins on sides.
- Twin 30mm cannons.
- Effective range of main armament is 3000 meters.
- In service with other countries.

AMX 30-SA FLANK



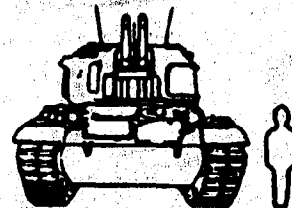
SUSPENSION



TUBE

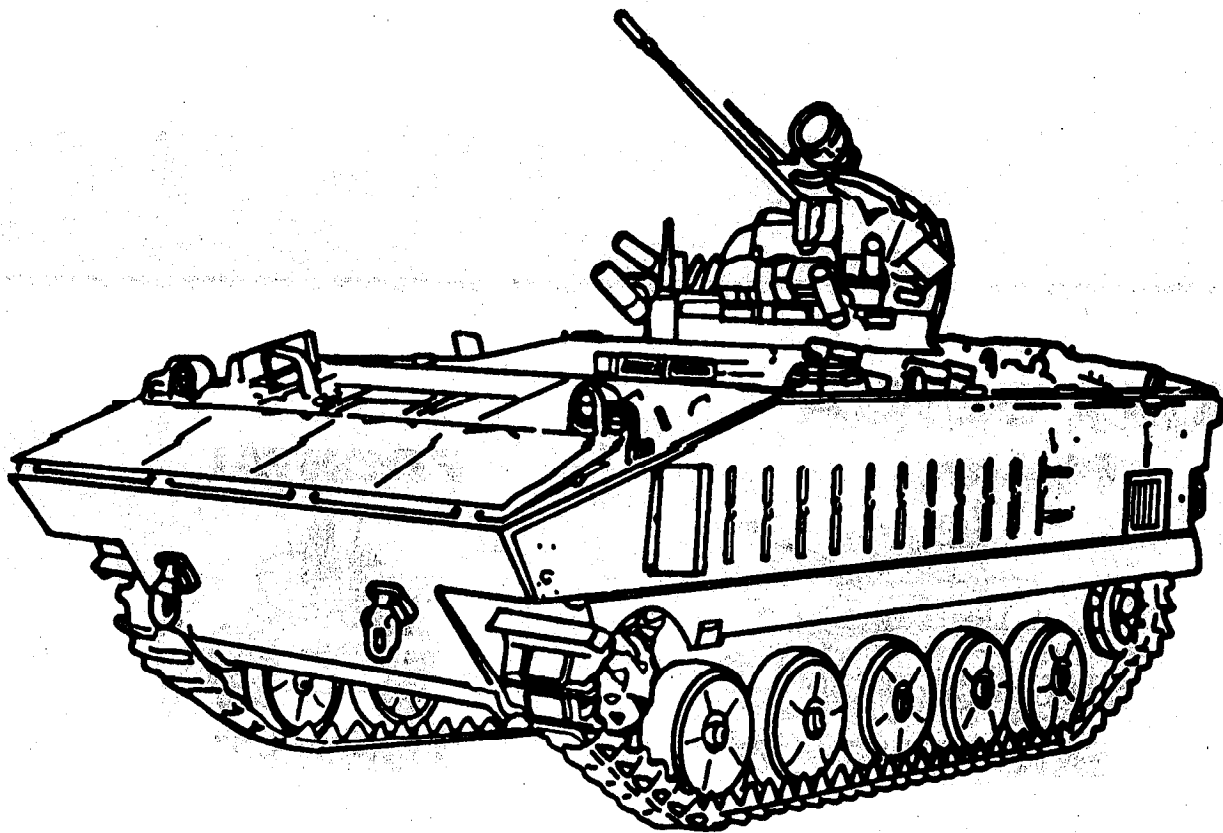


FRONTAL



TURRET

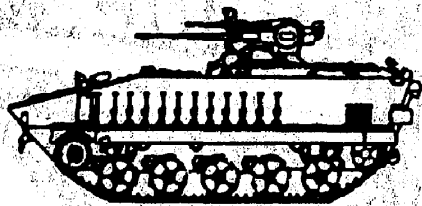




AMX-10P RECOGNITION FEATURES/CHARACTERISTICS

- Supported track. Five roadwheels, 3 support rollers.
- Boat-shaped hull, driver on left of slightly sloped front deck, with trim board. Prominent exhaust port in right side of hull.
- Exposed gun system set to top left of vehicle.
- 20mm cannon.
- Effective range of main armament is 1200 meters.

AMX 10P FLANK



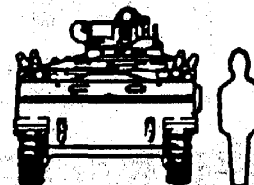
SUSPENSION



TUBE



FRONTAL

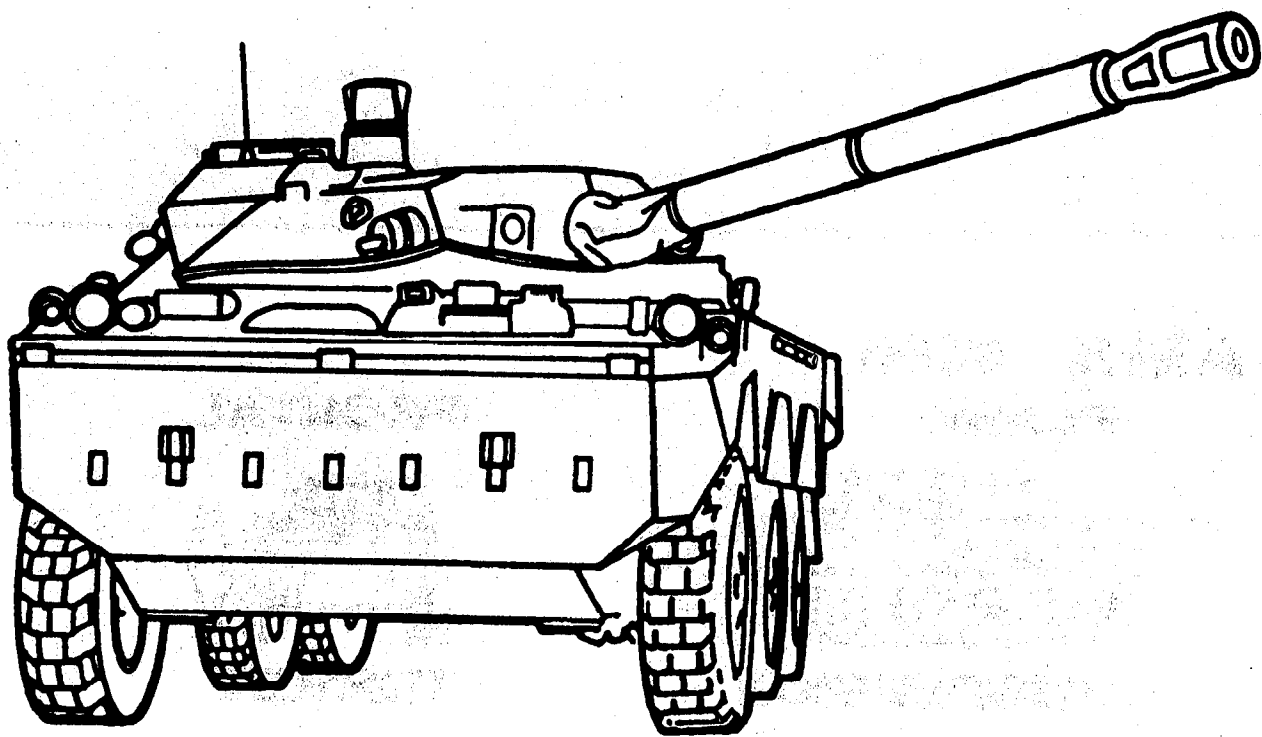


TURRET

N/A

SEARCHLIGHT MACHINE GUN





AMX 10 RC RECOGNITION FEATURES/CHARACTERISTICS

- Six large mud tires, three per side.
- Boat-shaped hull, large trim board in front for amphibious operations.
- Small flat turret, TC on right with panoramic sight mounted to right front.
- Large gun mantlet.
- 105mm main gun. Thermal shroud and muzzle brake present.
- Effective range of main armament is 2500 meters.

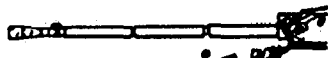
AMX 10RC FLANK



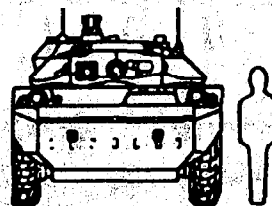
SUSPENSION



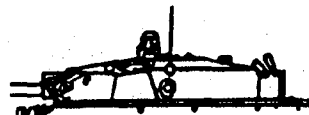
TUBE



FRONTAL



TURRET



SEARCHLIGHT MACHINE GUN



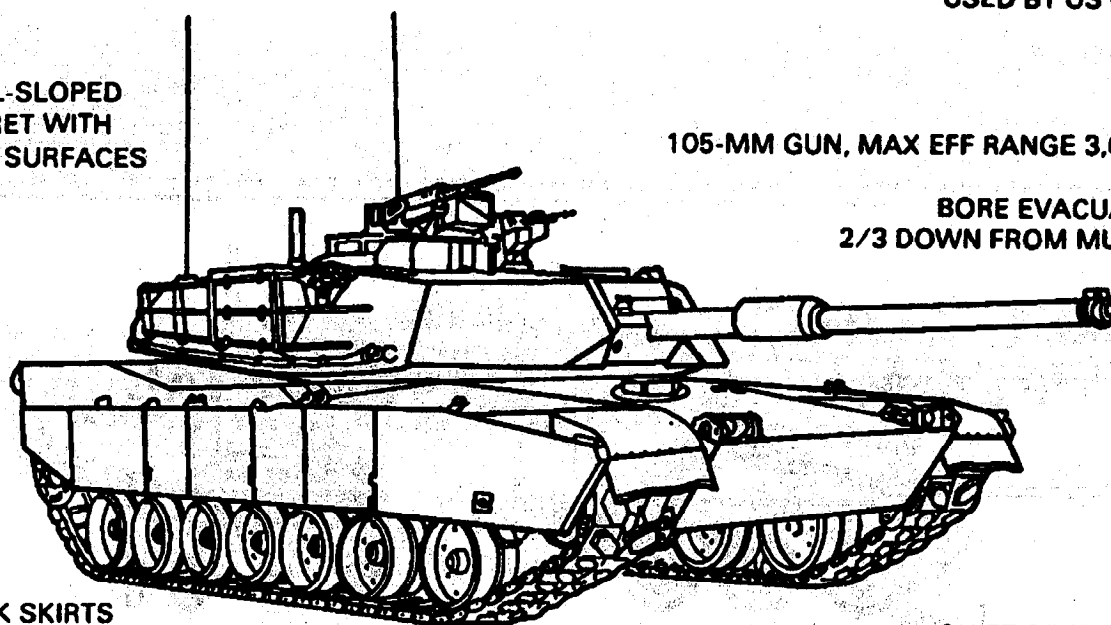
M1 ABRAMS MBT

USED BY US ONLY

**WELL-SLOPED
TURRET WITH
FLAT SURFACES**

105-MM GUN, MAX EFF RANGE 3,000M

**BORE EVACUATOR
2/3 DOWN FROM MUZZLE**

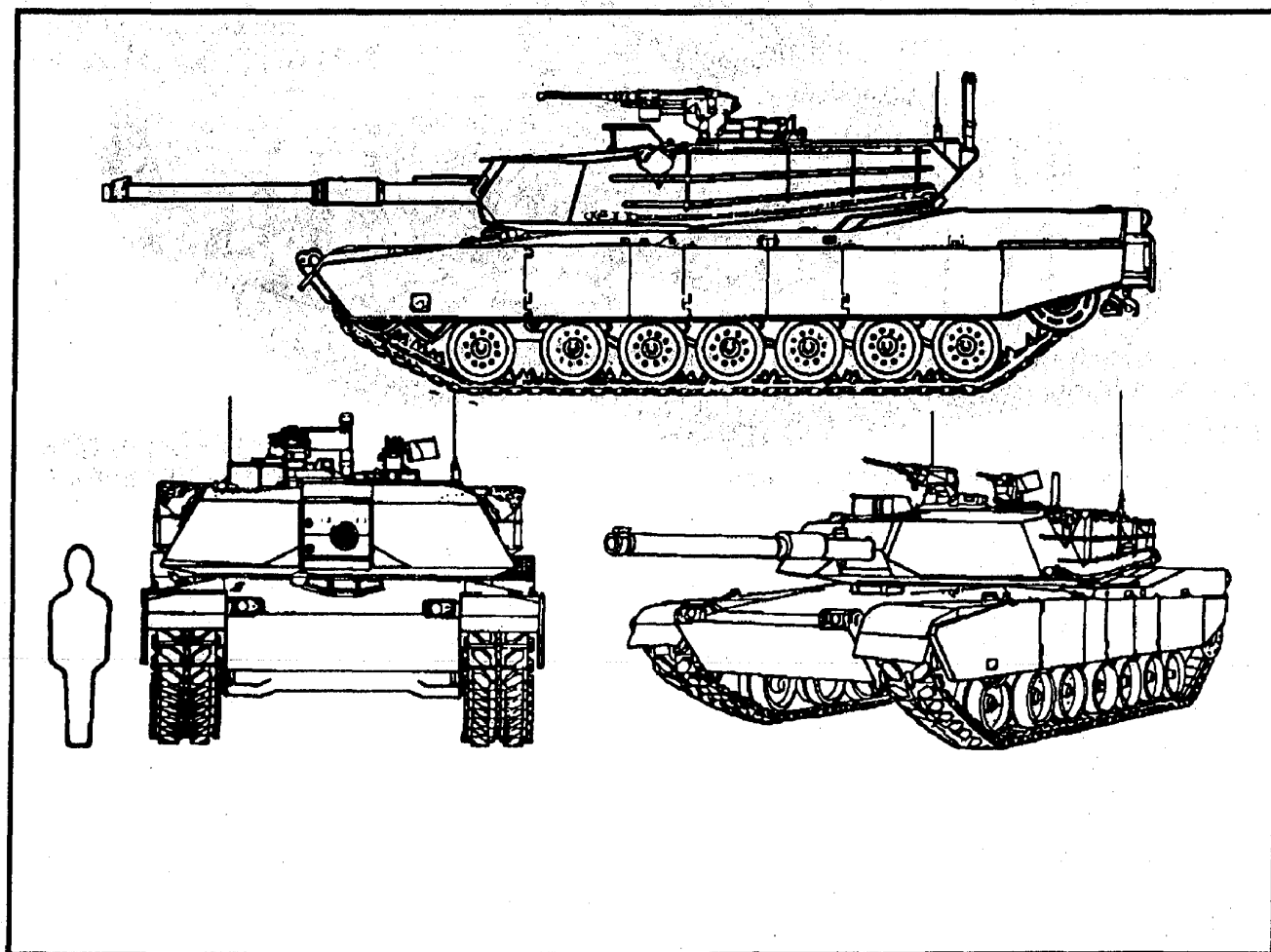


**TRACK SKIRTS
VERY HIGH AUTOMOTIVE PERFORMANCE**

**QUIET OPERATION
DUE TO TURBINE ENGINE**

M1 RECOGNITION FEATURES/CHARACTERISTICS

- Seven small roadwheels on torsion bars
- Top run of track boxed in by skirting plates
- Very low hull. Markedly raised engine compartment. Long Bustle.
- Gun with fume extractor and muzzle reference sight.
- Low-profile ring-mounting for ADMG. ADMG on pivot-mounting in front of loader's hatch.
- Armament: 105mm Main gun, basic load, 55 rds; 7.62mm COZX MG; 12.7mm AA MG (commander); 7.62mm AA MG (loader)



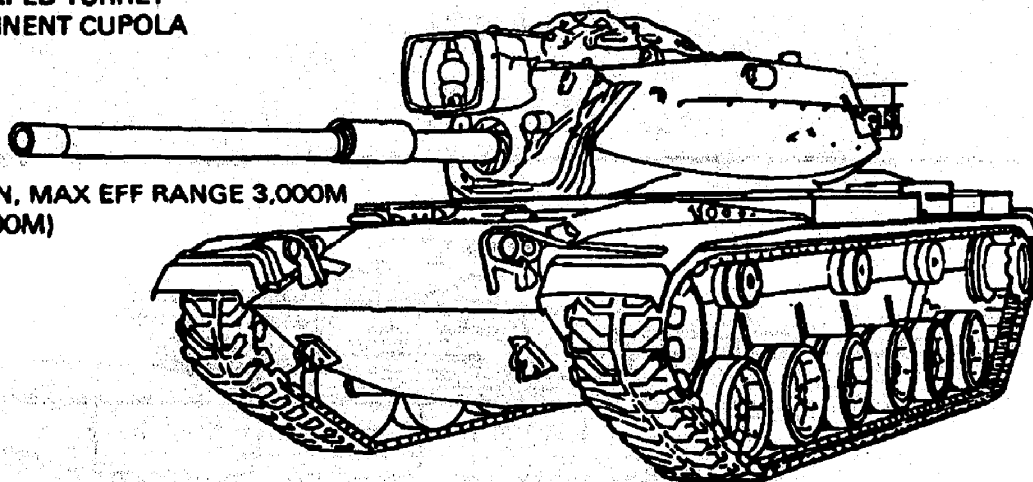
M60A1 MBT

USED BY US, ISRAEL, EGYPT, AUSTRIA AND THIRD WORLD COUNTRIES

M60A1 ONLY HAS A LARGE RECTANGULAR SEARCHLIGHT
OVER THE MAIN GUN

WEDGE-SHAPED TURRET
WITH PROMINENT CUPOLA

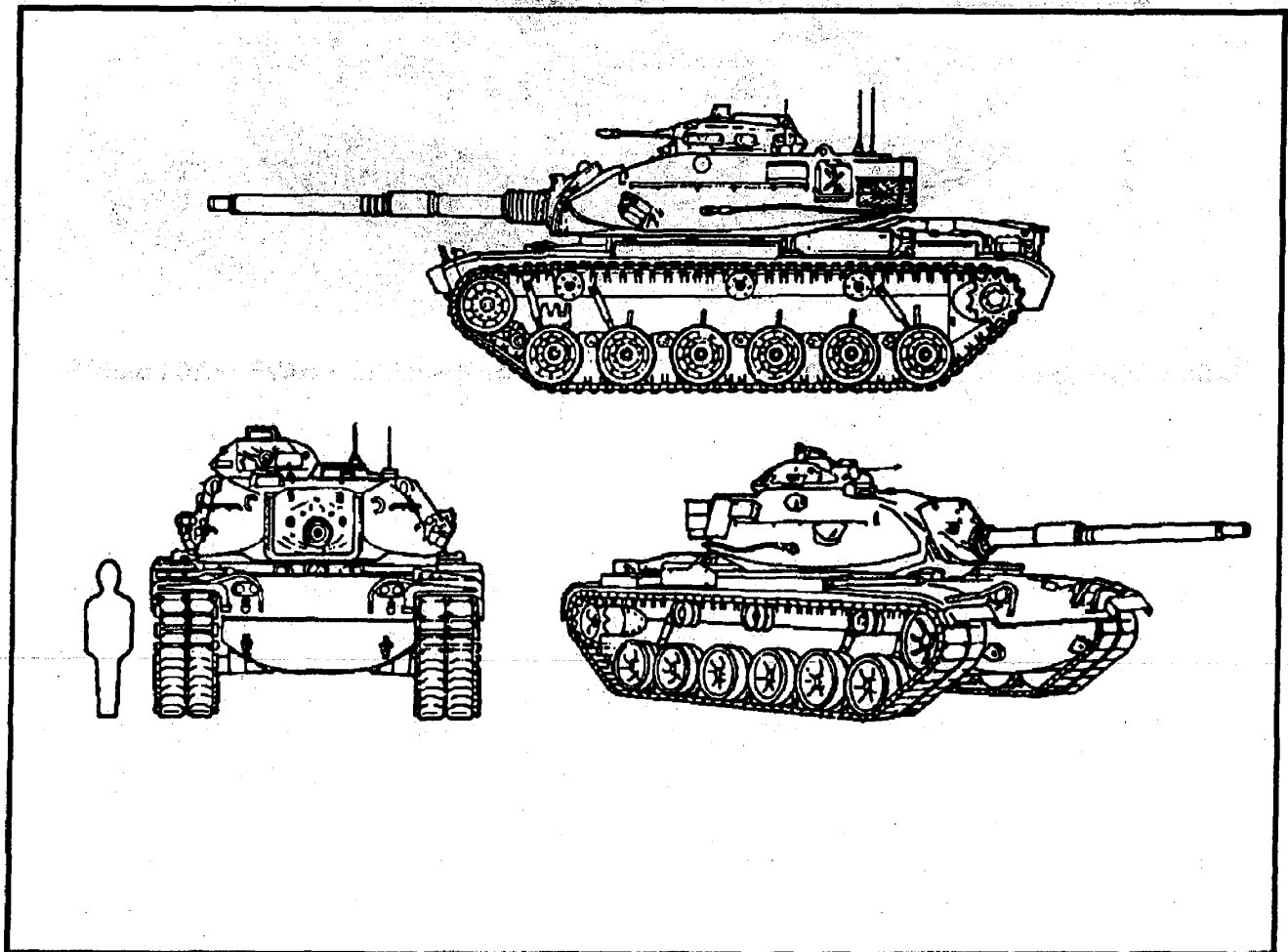
105-MM GUN, MAX EFF RANGE 3,000M
(M60A1-2,000M)



M60A1 SIMILAR TO M60A3, BUT LACKS THERMAL SHROUD
AND SOMETIMES THE SMOKE GRENADE LAUNCHERS

M60A3 RECOGNITION FEATURES/CHARACTERISTICS

- Six roadwheels with 3 support rollers.
- Rear sprocket.
- Wedge-shaped turret.
- Bore evacuator two-thirds down from muzzle.
- Commander's cupola on right with .50 cal MG.
- Variants: M60A1; M60A3.
- Armament: 105mm Main Gun, Basic Load, 63 rds; 7.62mm COAX MG; 12.7mm AA MG.

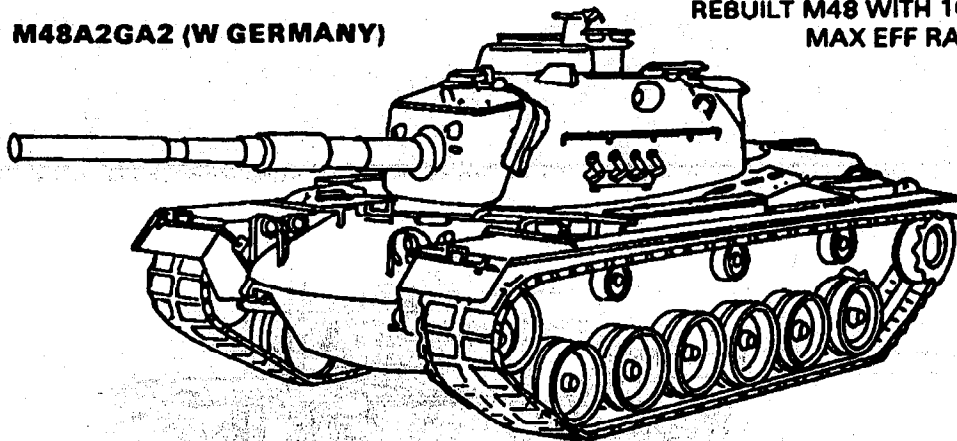


M48A5 MBT

**USED BY US, ISRAEL, KOREA, WEST GERMANY AND OTHERS
GERMAN VERSIONS HAVE A SQUARED-OFF MANTLET**

M48A2GA2 (W GERMANY)

**REBUILT M48 WITH 105-MM GUN,
MAX EFF RANGE 2,000M**

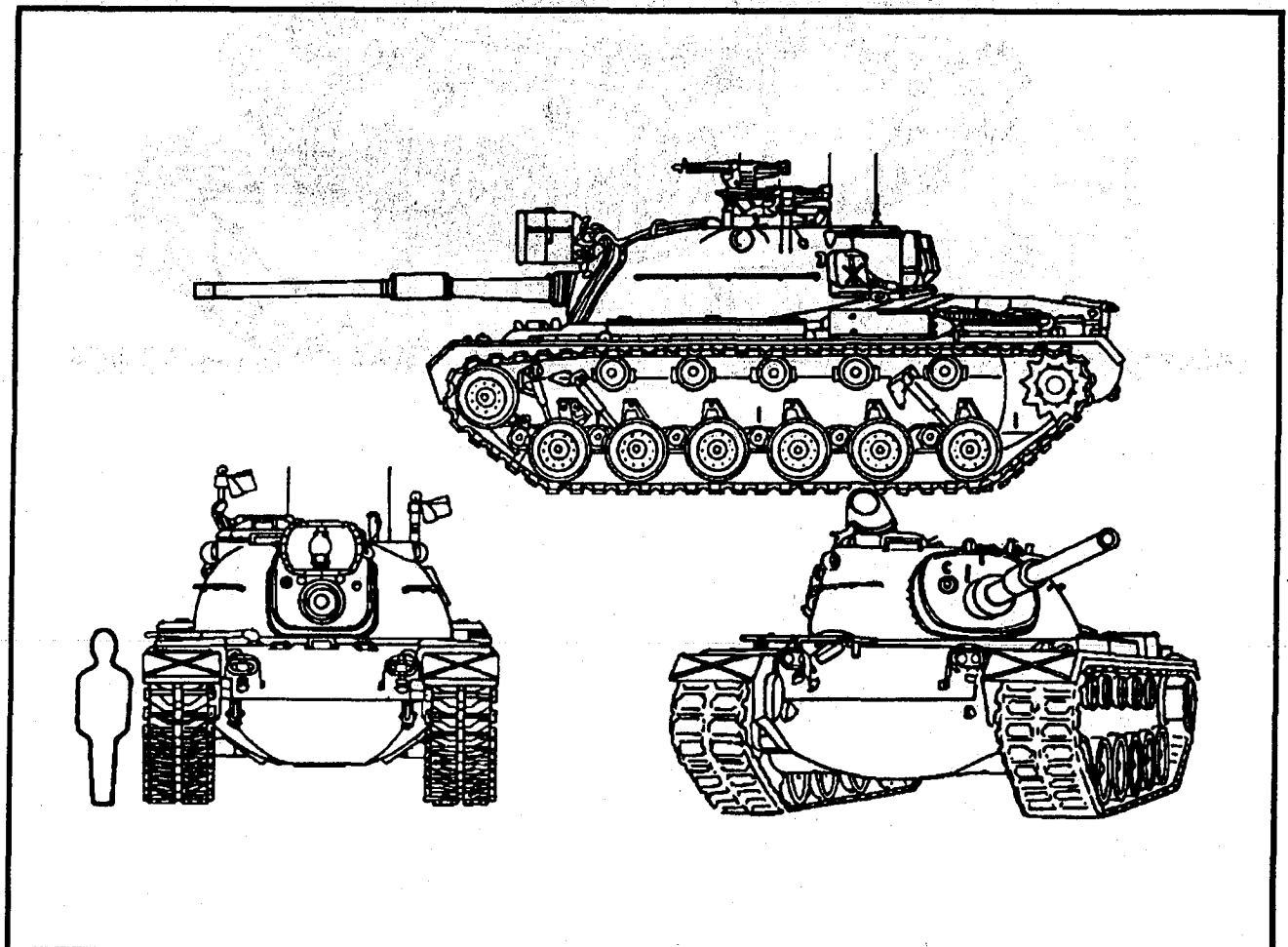


EASILY CONFUSED WITH: T-54 AND T-62

KOREAN REBUILDS HAVE TRACK SKIRTS

M48A5 RECOGNITION FEATURES/CHARACTERISTICS

- Six roadwheels with 5 track support rollers.
- Medium sized, well rounded egg-shaped turret, with overhang.
- Bore evacuator 2/3's down from muzzle.
- Low profile commanders cupola.
- Armament: 105mm Main Gun, Basic Load, 54 rds; 7.62mm COAX MG; 2 7.62mm AA MG.

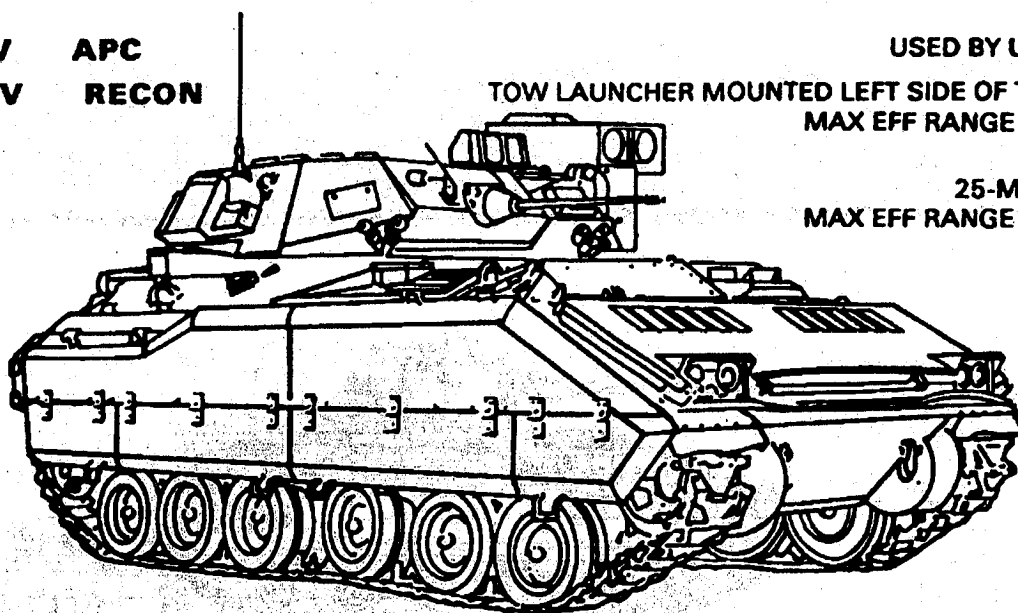


M2 IFV APC
M3 CFV RECON

USED BY US ONLY

**TOW LAUNCHER MOUNTED LEFT SIDE OF TURRET,
MAX EFF RANGE 3,750M**

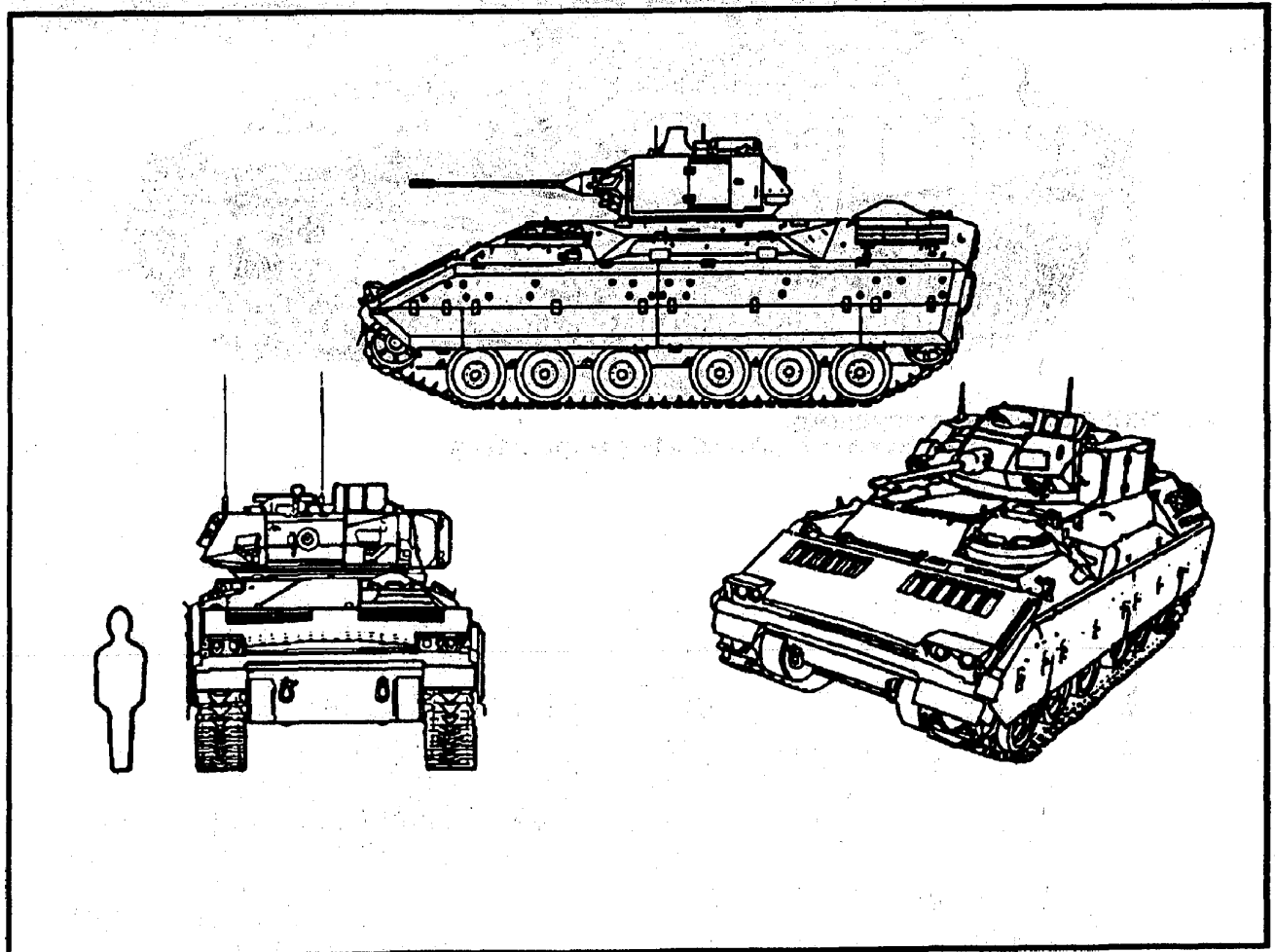
**25-MM GUN,
MAX EFF RANGE 1,400M**



GAP BETWEEN 3D AND 4TH ROADWHEELS

M2/3 RECOGNITION FEATURES/CHARACTERISTICS

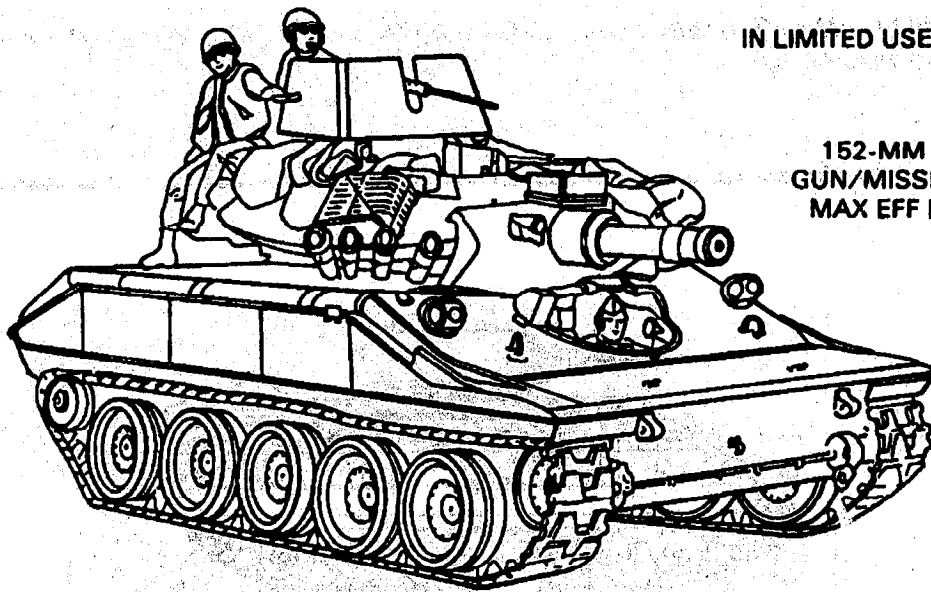
- Side-6 roadwheels. skirting plates, weapon ports in sides.
- Sloped front with thick skirting plates, Vertical rear.
- Large angular overhanging turret with TWO ATGMS launcher left side.
- Armament: 25mm Main Gun, Basic Load M2-300 ready, 600 reserve, M3-300 ready, 1200 reserve; 7.62mm COAX MG; 20tube TOW Launcher.



M551A1 SHERIDAN AIRBORNE ASSAULT VEHICLE

IN LIMITED USE WITH US ONLY

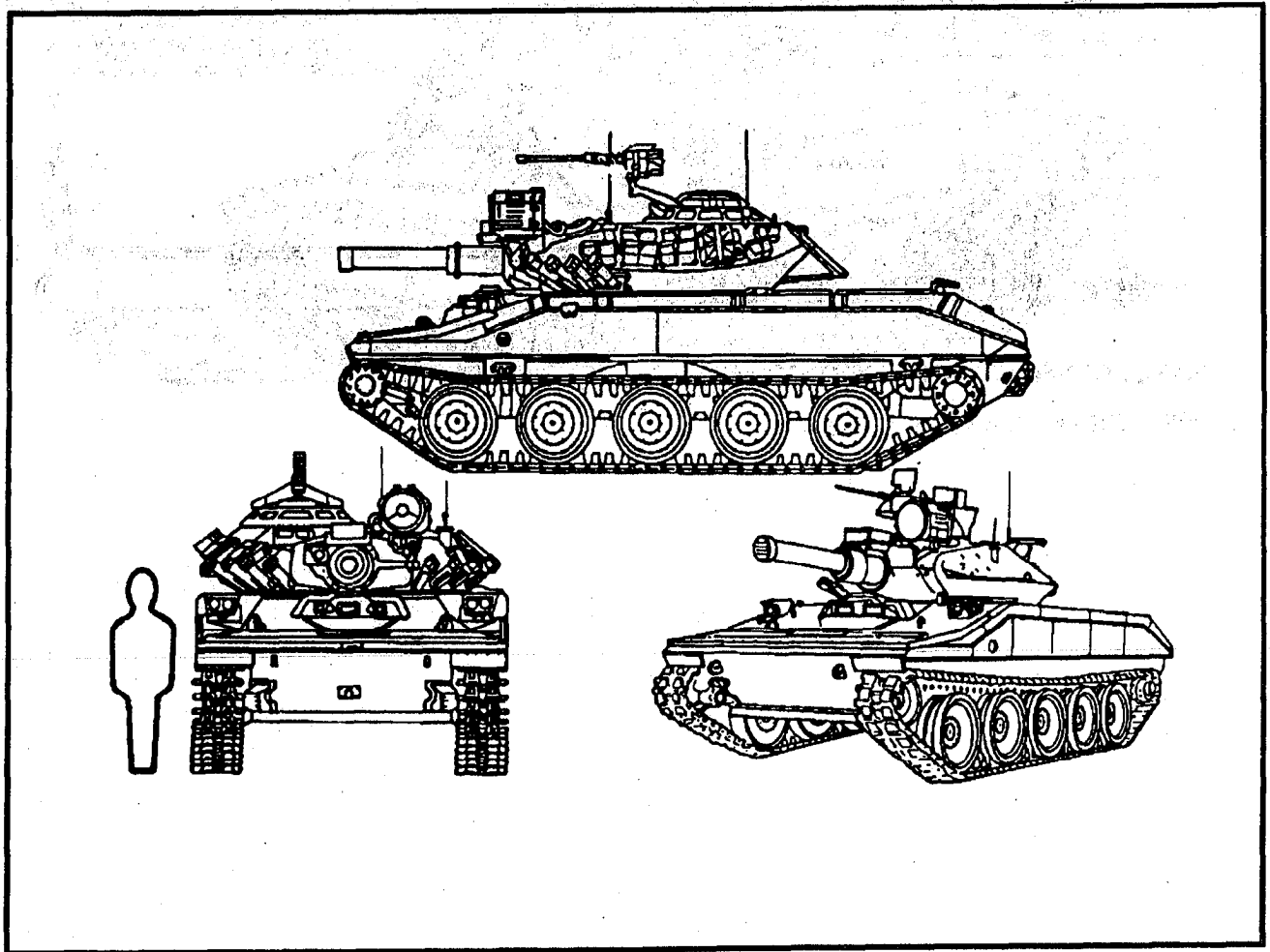
**152-MM COMBINATION
GUN/MISSILE LAUNCHER,
MAX EFF RANGE 3,000M**



AIR DROPPABLE AND AMPHIBIOUS

M551A1 SHERIDAN RECOGNITION FEATURES/CHARACTERISTICS

- 5 roadwheels, no top rollers. Heavily sloped glacis.
- Large turret bulged out above ring, with upturned bustle.
- Low commander's cupola with external ADMG.
- Short SHILLEAGH gun/launcher.
- Extensive use of light alloy. This vehicle can be dropped by parachute.
- Collapsible screen round top edge of hull for swimming, with splashboard on glacis.
- IR night driving and firing systems.
- Armament: 152mm Main Gun, Basic Load, 10 SHILLEAGH Missiles, 20 Conventional rounds 7.62mm COAX MG; 12.7mm AA MG.

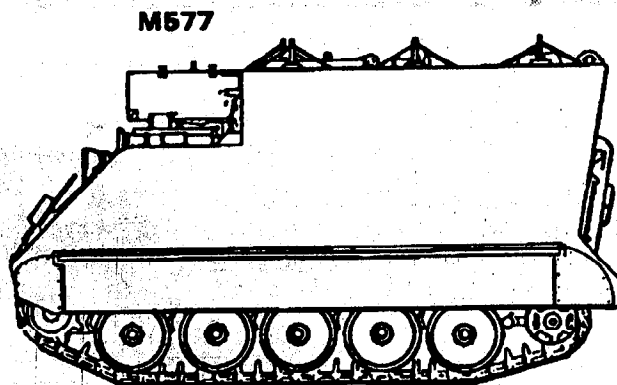
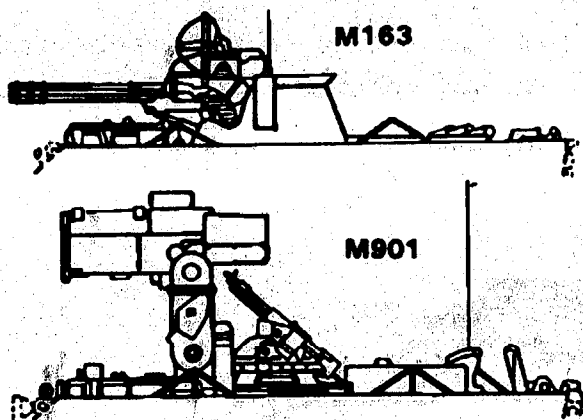


M113 AND VARIANTS APC

**USED BY 60 COUNTRIES, INCLUDING
US NATO AND THIRD WORLD COUNTRIES**

**COMMON VARIANTS INCLUDE STANDARD INFANTRY CARRIER, MORTAR CARRIERS,
M-577 COMMAND, M901 TOW LAUNCHER, VULCAN AIR DEFENSE WEAPON**

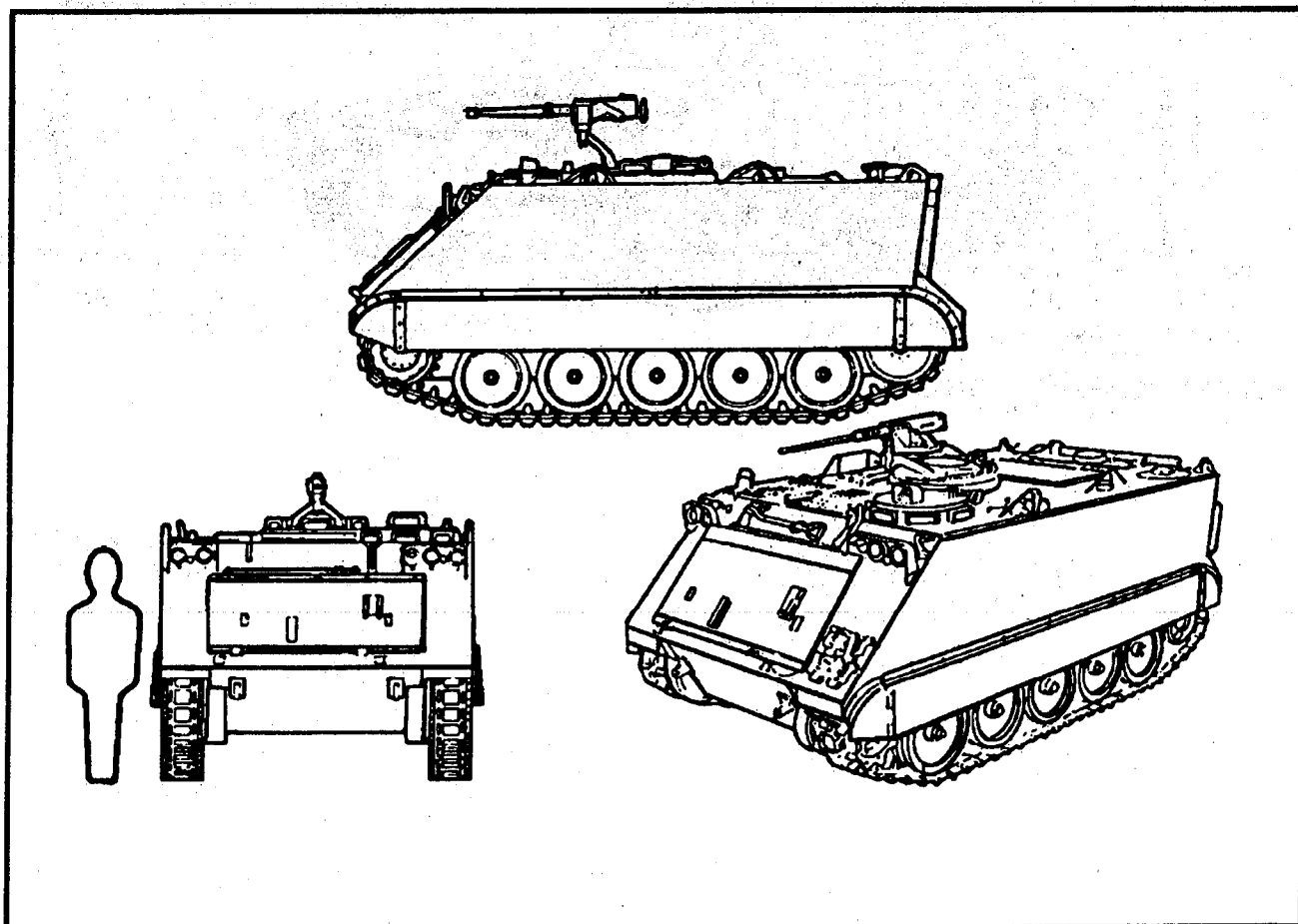
MANY OTHER LOCAL VARIANTS EXIST WORLDWIDE



EASILY CONFUSED WITH: TYPE 531

M113 RECOGNITION FEATURES/CHARACTERISTICS

- M113: Front--Box shaped hull, vertical sides. MG outside armor at center. Side--Long sloped front, almost vertical rear. Low cupola central. Five roadwheels, no top rollers. Front sprocket, rear idler projecting beyond hull. Top run of track boxed-in. Swims with propulsion by tracks.
- M901: Side--M113 APC hull with 5 roadwheels, front sprocket. Sloped front with splashboard. cupola central. TOW ATGMS on retractable launcher with traverse and elevation for 2 missiles. Launcher lowered during travel.
- M163: Electrically powered turret located centrally mounting 6-barrel Gatling gun. A gyro-lead computing sight linked to range finder radar. Cyclic rate 3000 or 1000 rds/min. Ammunition stowage 1800 rds.
- The VULCAN gun puts a very high number of shots in the air each minute for its weight. It consists of 6 barrels arranged to rotate about a common axis. While one barrel is being fired, the others are undergoing the loading and ejection parts of the cycle. The gun does not operate on the revolver principle by which rounds are fed to the barrel but uses the Gatlin system in which barrels continuously rotate about their mounting shaft. This rotation is not recoil-operated but powered by a separate electric motor.
- Armament: M-113, 12.7mm AA MG or 7.62mm MG Basic Load, 2000 rds; M-901, 2-TOW ATGM Launch Tubes, 7.62mm AA MG; M-163, 1-6 Barreled 20-mm gun, Basic Load, 2100 rds.

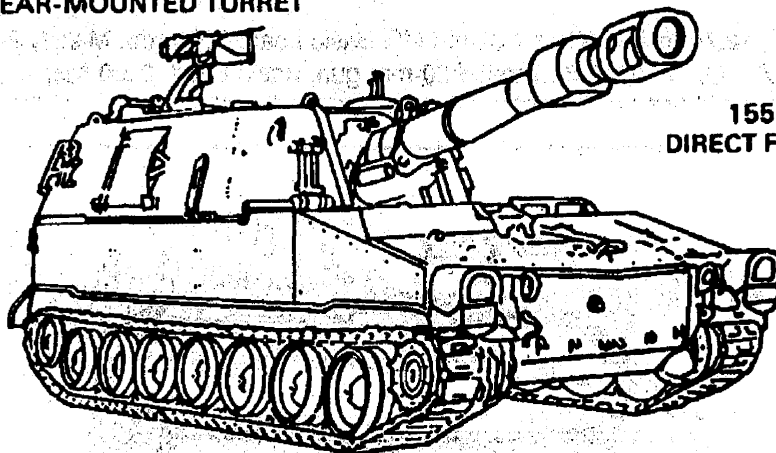


M109 SP GUN

USED BY US, NATO COUNTRIES, ISRAEL, THIRD WORLD COUNTRIES

SHORT OR LONG GUN TUBE WITH LARGE,
DOUBLE-BAFFLE MUZZLE BRAKE

LARGE, BOXY REAR-MOUNTED TURRET

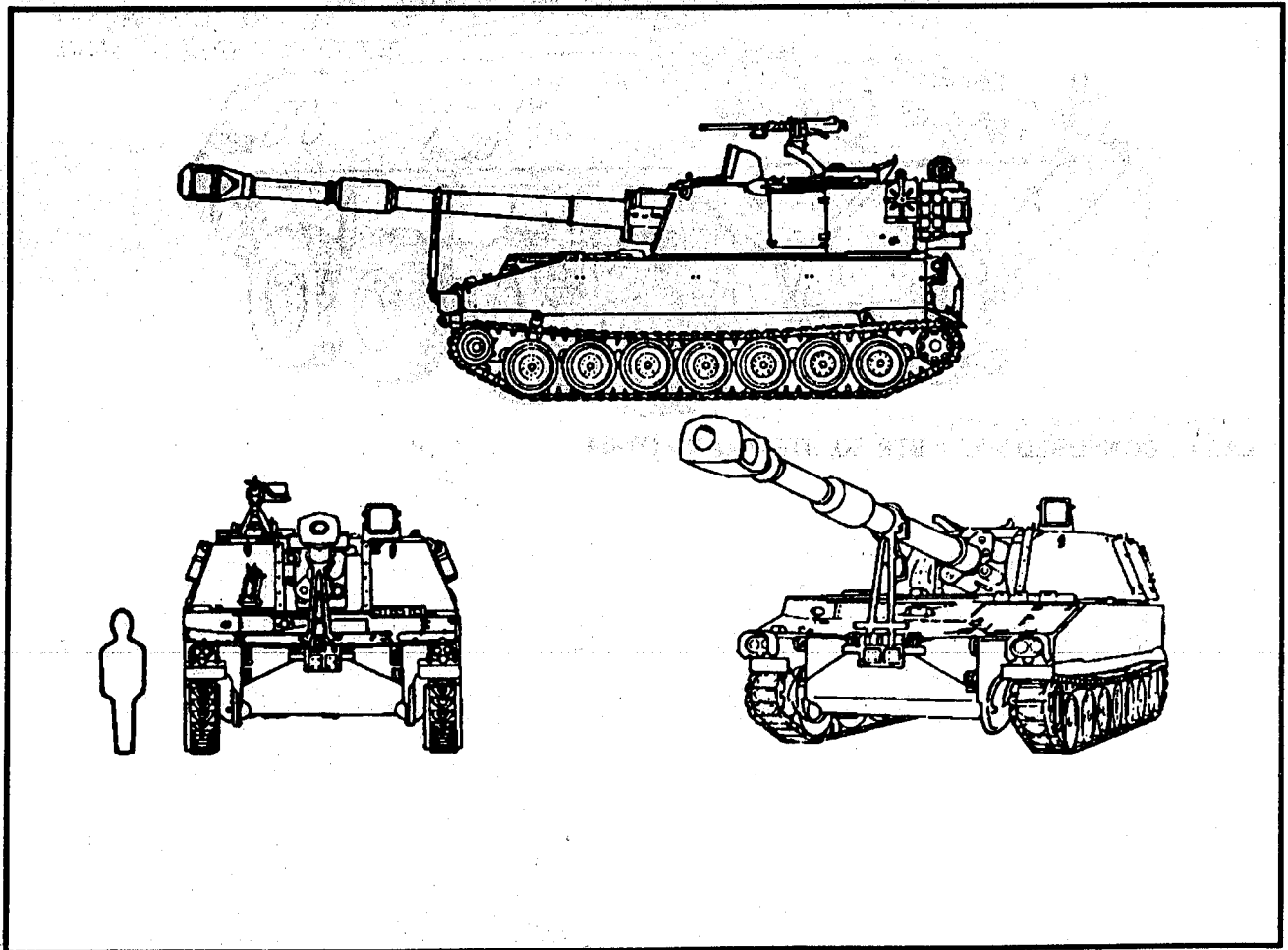


155-MM GUN MAX EFF
DIRECT FIRE RANGE 2,500M

EASILY CONFUSED WITH: 2S3

M109 SP GUN RECOGNITION FEATURES/CHARACTERISTICS

- Seven large roadwheels, idler, no top rollers.
- Light alloy hull with vertical sides. Vehicle swims with kit.
- Large turret at rear. Howitzer with muzzle brake in drum mantlet, cradle visible.
- M109—Short, thick barrel with large muzzle brake. Fume extractor near muzzle.
- Variants: M109A1—Long barrel, with large muzzle brake. Fume Extractor near muzzle end. M109A2—Improved version of M109A1. New Bustle designed to carry 22 additional rounds. Capable of firing rocket assisted projectiles.
- Armament: 155mm Main Gun, Basic Load, 28 rds; 12.7 AA MG.



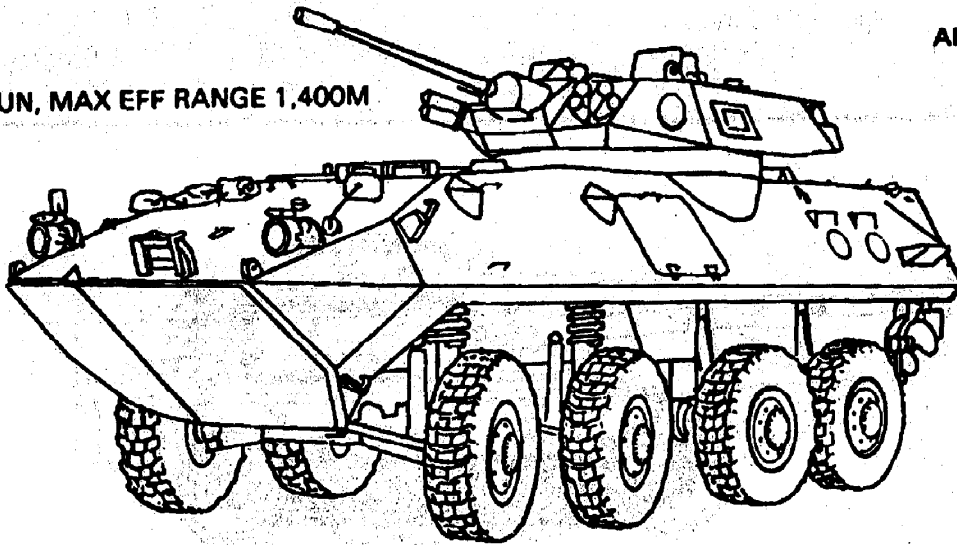
LAV-25 RECON

USED BY US MARINES ONLY

MORTAR, TOW, COMMAND AND RECOVERY VARIANTS ALSO EXIST

AMPHIBIOUS

25-MM GUN, MAX EFF RANGE 1,400M



EASILY CONFUSED WITH: BTR-60, BTR-70 AND OT-64

US MARINE CORPS LAV-25 (8 x 8) RECOGNITION FEATURES/CHARACTERISTICS

- Eight mud tires with a space between the center mud tires.
- Boat-shaped hull with the bow sharply angled downward.
- Hull is angled inward with a flat roof.
- Delco two-man turret with a 25mm M242 chain gun, 7.62mm co-axial machine gun, four smoke dischargers mounted on turret front each side of main armament.
- Twin propellers mounted on rear of vehicle for amphibious operations.

